Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Volume 149 No. 14 — Schnell Publishing Company, Inc., Publishers — April 8, 1946

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SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison ABC *Published by Schnell Publishing Co., Inc.*

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Vol. 149 No. 14 New York 7, N. Y. April 8, 1946

Penicillin Efficacy Reported Diminished

OPD Washington Bureau

Something of a mystery has developed in recent weeks in connection with the efficacy of present-day penicillin. Reports being circulated in the drug industry and in some government quarters are to the effect that the drug is not proving to be as good in the treatment of certain diseases as was the penicillin of earlier days, and no one seems to know exactly why.

The army is said to have been among the first to have noticed the change in the response of patients treated with penicillin and has called on the Food and Drug Administration and the drug industry for an explanation. It is understood that the army's chief complaint was that present-day penicillin was not proving as good a cure for syphilis as that previously produced.

Penicillin has always been known to be a tempermental type of drug and unless manufactured under most exacting requirements and standards it was just as likely to turn out to be an imperfect product as a good one. It was largely because of this that the Food and Drug Administration, with the co-operation of the industry, secured the passage of legislation to require the certification of the safety and efficacy of every batch of penicillin produced before it was offered in commercial channels.

There are four known penicillins:—F, G, X and K. The last is the one

—*Continued on page 42*

Health Bill Hearings To Run Four Weeks

OPD Washington Bureau

Hearings were begun April 2 before the senate committee on education and labor on the Wagner-Murray-Dingell bill (S. 1606) for a national program of public health financed with compulsory contributions from participants. The hearings are scheduled to run for about four weeks, which is believed to preclude any possibility of the bill being enacted into law this year.

Indications of the tension surrounding the fight on bill came with the opening of the hearings when Senator Robert A. Taft, member of the committee, engaged in a verbal tiff with Senator James M. Murray of Montana, cosponsor of the bill and chairman of the committee, following which Mr. Taft walked out of the room with the announcement that he would not attend any more of the hearings. He said that he would later introduce a substitute bill.

Senator Murray, who made the opening statement on the bill, explained its objectives and was followed by Senator Robert Wagner of New York and Senator Claude Pepper of Florida, who gave a detailed analysis of its provisions and described it as essential to national security. Representative John Dingell of Illinois, another cosponsor, spoke against the American Medical Association and the National Physicians Committee for their attacks on the legislation.

Arthur J. Altmeyer, chairman of the Social Security Board, testified that the compulsory insurance provisions of the measure would cost about $3,000,000,000 annually. He said that the estimate assumed a per capita cost of approximately $27 and a coverage of 110,000,000 persons.

Cobalt, Silver Smelter Being Built in Canada

The Silanco Mining & Refining Company will begin construction of a smelter and refinery at Cobalt, Ontario, this week, for the processing of silver and cobalt concentrates. The $600,000 plant will have a daily capacity of fifteen tons, twice the capacity of the next largest plant of its kind that was built in Cleveland by the United States during the war.

Heads Abbott Labs

Rolly M. Cain, who has been elected president and general manager of Abbott Laboratories, Chicago, was formerly executive vice-president, assistant general manager, chairman of the executive committee and president and director of Abbott Laboratories International Company and Abbott Laboratories Export Corporation.

Soda Nitrate Complaint Dismissed by FTC

OPD Washington Bureau

The Federal Trade Commission has dismissed without prejudice its complaint charging Chilean Nitrate Sales Corporation and the Barrett division of the Allied Chemical & Dye Corporation, both of New York, with conspiring to monopolize the sale of and fix prices for raw nitrate of soda, in violation of the Federal trade commission act. The complaint, issued in April, 1939, also charged the respondents with price discrimination in violation of the Robinson-Patman act.

The order of dismissal states that Department of Justice proceedings involving both respondents have disposed of the conspiracy charges in the complaint and that the commission would not be warranted in proceeding on the price discrimination allegations because of the discontinuance of such practices and the lapse of time since issuance of the complaint.

Trial of the case was held in abeyance during the pendency of the Department of Justice proceedings, and later at the request of the Secretaries of War and the Navy because prosecution of the commission's complaint would interfere with the war effort. Since 1941 the respondents have supplied nitrate of soda only to the government on war contracts and, according to the order of dismissal, have not engaged in the practices alleged in the complaint, and have no intention of resuming them.

Big Inch-Little Inch Pipeline Bids Made

Big Inch Gas, Inc., and Big Inch Oil, Inc., two corporations formed by Charles H. Smith, former chairman of the board of General Waterworks & Electric Company, Jersey City, N. J., have made a joint bid to acquire the government's Big Inch and Little Inch petroleum pipelines and the Southwest Emergency pipelines.

The bid for Big Inch amounted to $40,000,000, while the amount for Little Inch was not announced. This is the second offer made by private groups for the lines.

WAA Offers Surplus Commodities

The Seattle office of the War Assets Administration is offering the following surplus commodities:—

Caulking Compound:—6,541 pounds.

Paint, Plastic, Black:—11,405 pounds; Ag. Ref. No. 141626 1-2 & 1-3.

Paint, Plastic, White:—39,440 pounds.

German Chemical Industry Production Ratio Cut Sharply

OPD Washington Bureau

Deep cuts in the productive capacity of the German chemical industry ranging from 60 percent in the case of basic chemicals to 20 percent for pharmaceuticals below the 1936 level of production have been decreed by the Allied Control Council, the War Department disclosed last week in making public the industry control program adopted by the council late last month.

It is estimated that general effect of the entire control plan on the whole of German industry will be to reduce its level of activity to a figure of about 50 to 55 percent of the prewar level of 1938, excluding building and building materials industries. Imports under the program are to be limited to 3,000,000,000 reichsmarks (1936 value) as compared with 4,200,000,000 reichsmarks in 1936.

The guiding principles of the plan are:—

(1) Elimination of the German war potential and the industrial disarmament of Germany; (2) payment of reparations to the countries which had suffered from German aggression; (3) development of agriculture and peaceful industries; (4) maintenance in Germany of average living standards not exceeding the average standards of European countries, excluding the United Kingdom and the USSR, and (5) retention in Germany, after payment of reparations, of sufficient resources to enable her to maintain herself without external assistance.

In order to eliminate Germany's war potential, the program calls for elimination of all industrial capital equipment, including that for the production of the following items:—

Synthetic rubber; synthetic gasoline and oil; synthetic; primary aluminum; magnesium; beryllium; vanadium produced from Thomas slags; radio active materials; hydrogen peroxide above 50 percent strength, and specific war chemicals and gases.

Basic Chemicals

In the case of chemical industries, the agreement provides as follows:—

In the basic chemical industries there will be retained 40 percent of the 1936 production capacity (measured by sales in 1936 values). This group includes the following basic chemicals:—nitrogen, phosphate, calcium carbide, sulphuric acid, alkalies, and chlorine. In addition, to obtain the required quantities of fertilizer for agriculture, existing capacity for the production of nitrogen through the synthetic ammonia process will be retained until the necessary imports of nitrogen are available and can be paid for.

Other Chemicals

Capacity will be retained for the group of other chemical production in the amount of 70 percent of the 1936 production capacity (measured by sales in 1936 values), this group includes chemicals for building supplies, consumer goods items, plastics, industrial supplies, and other miscellaneous chemical products.

Dyestuffs, Pharmaceuticals

Dyestuffs, pharmaceuticals and synthetic fibers. In the pharmaceutical industry there will be retained capacity for the annual production of 80 percent of the 1936 production, measured by sales in 1936 value. Capacity will be retained to produce annually 36,000 tons of dyestuffs and 185,000 tons of synthetic fiber.

With respect to potash, the agreement states that production of this material is estimated at over 100 percent of the 1938 level and no levels have been determined for 1939; the industry being free to develop within the limitations of available resources.

Phenolic Resins 'Trust' Charged in U.S. Suit

Three American and two British firms in the plastics industry were charged with violation of the Sherman antitrust act in two suits filed by the Department of Justice in Federal district court, Newark, N. J., last week.

In one of the suits, the Catalin Corporation of America, Fords, N. J.; Marblette Corporation, New York, and Knoedler Chemical Company, Lancaster, Pa., were charged with conspiracy to fix prices and restrain trade in phenolic resins. The charges alleged that Catalin granted licenses to the other two to use patents under its control and made unpatented articles available to them.

The Catalin Corporation was named sole defendant in the second suit, with Pollopas Patents, Ltd. and Catalin, Ltd., both London, as co-conspirators. The three were charged with having divided the world into exclusive marketing territories and to have refrained from competing among themselves. The suit charged also that patents were exchanged to enforce the agreements, and that the cartel agreements bound all American companies holding Catalin licenses.

The Department of Justice is seeking to have the companies enjoined from the alleged practices. The companies have been called upon to answer the allegations on or before April 15.

Potash Freight Rates Reduced

The Interstate Commerce Commission has reduced rates, effective July 1, on potash muriate, sulphate of potash, sulphate, manure salts and sulphate of potash-magnesia in carloads, from Carlsbad and Loving, N. M., to points in the Southwest, the South, trunkline and New England territories.

The commission reduced rates in the southwest from an average of 15 percent to 13.5 percent of the corresponding first class rates. To points in southern territory, except points in Florida, south of Jacksonville and on the route to Jacksonville, it prescribed rates on a distance scale, ranging from $7.35 a ton at 801 miles to $10.90 a ton at 1,601 miles, and $11.40 a ton. To points in New England except in northern Maine, where carriers may add "arbitraries," it prescribed a rate of $11.90.

The New Mexico area produces 85 percent of all potash consumed in the United States.

Malayan Rubber to Be Purchased by RFC

OPD Washington Bureau

Price negotiations have been concluded whereby the Reconstruction Finance Corporation, through its subsidiary, the Rubber Development Corporation, will purchase all natural rubber, allocated to the United States by the Combined Rubber Committee, from Malaya at a price of 20¼ cents per pound for standard top grades, delivered free on board ocean-going steamer at Far Eastern port. This extends, through June 30, 1946, the previous agreement which applied to deliveries from V-J Day through March 31, 1946. Similar price arrangements are in force with the governments of France and the Netherlands.

Oronite Elects Parkhurst President

George L. Parkhurst has been elected president of the Oronite Chemical Company, San Francisco, to succeed R. G. Smith. Mr. Parkhurst formerly was vice-president of Oronite. Before becoming associated with the company he was with the Standard Oil Company of Indiana and served with the Petroleum Administration for War.

Drying Oils Situation Viewed from Divers Angles

Some small lots of tung oil are beginning to reach the United States from China. A few sizable lots of Argentine production have arrived. Expectations are looking up—but not with any particular optimism. The entire supply in Argentina is not large. How much oil is stored in China is anybody's guess. How much can be got out this Summer is more problematic. In neither way will the quantity measure up to some guesses now in circulation.

Controlled stocks of tung oil in this country were down to less than 7,000,000 pounds at the end of January, this year. They had been decreased about 18,000,000 pounds since last midsummer. No rush to get this oil has been in evidence: the price, in comparison with replacement material, is not competitively attractive.

In the years immediately preceding the interruption of trade with China by war, the United States imported from 90,000,000 to 100,000,000 pounds of tung oil annually. Domestic production sometimes increased the supply as much as 10 percent. Some movement toward an increase in domestic production is again under way, especially in the Southwest, where there is also some new promotion of linseed, sunflower-seed, chia, castor, and stillingia oils as agricultural crops.

The proper designating of tung oils with a view of differentiating Chinese, South American and domestic has interested various quarters. At the recent meeting of the Southern Paint and Varnish Production Club, Gerald Eisenschiml suggested that the old name, "chinawood oil," be retained for the Chinese product, and that the Western oils be designated, respectively, as domestic tung oil and Argentine tung oil. In most circles, the name, "chinawood oil," is gradually being discarded.

Tung Oil Storage Changes

The behavior of Chinese and domestic tung oils in storage was reported by Mr. Eisenschiml, who had analyzed a number of lots of governmentally impounded oil ranging in tankfuls of from 8,000 gallons to 100,000 gallons. The economic wisdom of tying up the oil early in the war stringency was questioned by a number of members of the Southern club in privately expressed opinions. Nobody could say that anything was gained by the impounding.

Chinese oil which had, at storage, an acidity of 4, gelling time of 45 seconds, and a polymerization number of 7, had, after two or three years, an acidity of 9, a higher gelling time, but a drop in polymerization number to 5. Some had changed to the beta form for reasons not understood. This is a white solid which reconverts on warming at 150°F.

Domestic oil reacted differently. At the end of a year, polymerization was noticeable in the smaller lots (8,000-17,000 gallons) in the open, and a crust had formed on top. Gelation decreased as the size of the tankful increased: there was none in a 100,000-gallon lot in Florida after two years and only a thin layer in 60,000 gallons. The influence of freezing may have been heavy (the smaller tankfuls were subjected to cold weather), and steam heating might have changed the behavior.

Gelation started at the top and worked downward with a sort of rhinoceros - hide appearance. The average loss was 3 percent in two years.

Imported oil showed no detrimental change up to six years, although some underwent the beta conversion. Light-painted tanks lessened the change, so did shading the tanks. Stagnation increased the gelation. Storage under a blanket of inert gas in well-filled tanks had a stabilizing influence. Foots troubles were not increased by storage.

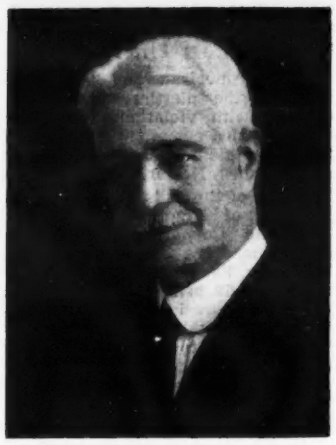
The price of tung oil is of world interest. British buyers, Mr. Eisenschiml said, have been bidding 41 cents a pound at Hong Kong. The Argentine port price recently has been 28 cents. Canada is importing it at that price. What the price will be a year hence is unpredictable. The consensus is that it will be so low that imported tung oil will replace the wartime provided special, tailor-made oils in the ordinary run of paints, but the newer oils, especially dehydrated castor oil, will hold their place in the formulation of paints and the like of special quality and higher grades. The general belief is that domestic tung oil could be sold as low as 14 cents per pound, even at 12 cents under some circumstances. The wartime price views of domestic producers still come in for strong condemnation in many places.

(To Be Continued)

Obituaries

William C. Beschorman

William C. Beschorman, executive vice-president of the National Lead Company, New York, from 1933 until 1938, died in San Marino, Cal., March



William C. Beschorman

28. He was seventy-nine years old.

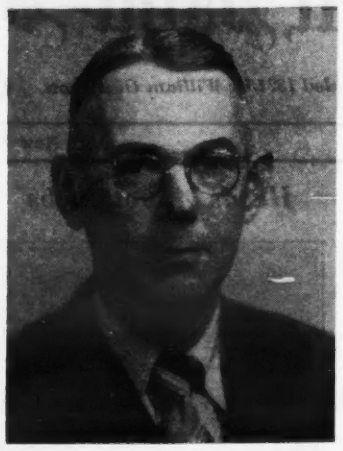
A native of Cincinnati, Mr. Beschorman joined the National Lead Company in 1894 as a salesman in the Cincinnati branch. He was appointed assistant branch manager in 1904 and was named manager and elected to the board of directors twenty years later. He was elected vice-president in 1927.

Dr. Francis W. Bergstrom

Dr. Francis W. Bergstrom, professor of chemistry at Stanford University, died in the university hospital, March 29, after an operation for a brain tumor. He was forty-nine years old. A native of Indiana, Dr. Bergstrom attended Clark and Brown Universities from 1922 to 1925 as a national research fellow in chemistry, and

—Continued on page 39

Southern Paint Chief



Donald E. Dick, new president of the Southern Paint and Varnish Production Club, is plant manager for Stebbins & Roberts, Inc., Little Rock, Ark. He had charge of the program for the club's New Orleans meeting last month.

Coconut, Babassu Oils Bought for UNRRA

OPD Washington Bureau

The Department of Agriculture has confirmed that it is buying from 7,000 to 8,000 tons of coconut and babassu oils for the UNRRA.

Late Markets

Short Stocks Curb Fert. Sales

Out of town inventories of fertilizer materials are low and getting lower with each successive week. Los Angeles reports an excellext demand with trading slow on account of short stocks. Atlanta states sulphate of ammonia shipments behind and situation aggravated by coal strike with demand for all materials greatly in excess of supplies. Chicago notes nitrogenous supplies short with demand active. Baltimore reports continued scarcity of the most important materials.

Coke By-Products

Estimates of by-product cokeoven operations in the week ended March 30 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	939,118
Ammonia sulphate	lbs.	24,318,207
Benzol	gals.	3,064,490
Coaltar	gals.	11,368,268
Creosote oil	gals.	632,669
Naphthalene	lbs.	15,025,884
Phenol	lbs.	177,938
Toluol	gals.	612,898
Xylol	gals.	138,397

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Apr. 4, 1946	Mar. 28, 1946	Apr. 6, 1945
134.8	134.9	132.3

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changing was quite popular last week in the markets for chemicals, oils, and drugs. It was all confined to the vegetable areas, ranging from root drugs to essential oils and comprising tanning extracts, spices, and waxes. Most of the changes were advances, but the reductions had the greater weight, and the general average was lowered a bit.

NWDA to Meet in Chicago, April 17-18

The National Wholesale Druggists Association will hold a special meeting in the Palmer House, Chicago, April 17 and 18. The program in part follows:—

Wednesday, April 17

Morning Session

President's mid-year address, Al. B. Benson, of McKesson & Robbins, Inc., New York, president of the National Wholesale Druggists Association.

"Proprietary Distribution," E. Allen Newcomb, secretary of the N.W.D.A.

"A Study of Shipping Case Sizes," W. R. James, of Towns & James, Inc., Detroit, chairman of Special Sub-Committee of Committee on the Distribution of Proprietaries.

"Better Sales Management," Claude L. Smith, of McKesson & Robbins, Inc., New York, chairman of N.W.D.A. Committee on Sales Management.

"A Study of Warehouse Operations," George W. Kauffman, of the Kauffman-Lattimer Company.

"Market Research and Wholesale Drug Handling Cost Studies," C. R. Vickland, of McKesson & Robbins, Inc., New York, chairman of the N.W.D.A. Committee on Statistical Research.

"Reconversion on the Sales Front," Dr. H. H. Maynard, Professor of Marketing and chairman of the Department of Business Organization, College of Commerce and Administration, Ohio State University.

Afternoon Session

"The Wholesaler Looks at the Retail Drug Store," H. W. Adkins, of Yahr-Lange, Inc., executive vice-president.

"The Prescription Department," Dale Ruedig, of Eli Lilly & Co., Indianapolis, Associate Director of Sales.

"The Baby Goods Department," George F. Smith, of Johnson & Johnson, New Brunswick, N. J., president.

"The Proprietary Medicine Department," C. S. Beardsley, of Miles Laboratories, Inc., Oak Park, Ind., president.

"The Dental Needs Department," J. T. Woodside, of Weco Products Company, president.

"Now for Tomorrow," film depicting departmentalization in the retail drug store.

Thursday, April 18

Morning Session

"Progress in Pharmaceutical Education," Dr. E. L. Newcomb, secretary, the American Foundation for Pharmaceutical Education.

"Let's Take the Kinks Out of Distribution," Stanley I. Clark, of the Bayer Company, chairman, N.W.D.A. manufacturers' committee, presiding.

"Current Trends in Markets and Marketing," Dr. Vergil Reed, of J. Walter Thompson, associate director of research.

"The Manufacturers' Committee Survey," Stanley I. Clark, chairman.

Afternoon Session

"The National Health Program." Dr. Morris Fishbein, editor, Journal of the American Medical Association.

Maguire Named N.Y. District Sales Manager

Edward J. Maguire has been made New York district sales manager for Grasselli chemicals department of E. I. du Pont de Nemours & Co., Wilmington, Del. Mr. Maguire was formerly New York branch manager. George A. Wright, former head of the technical service section of the Grasselli chemicals department, has been named assistant New York district sales manager.

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Potash Sulphate Got As Aluminum By-Product

OPD Washington Bureau

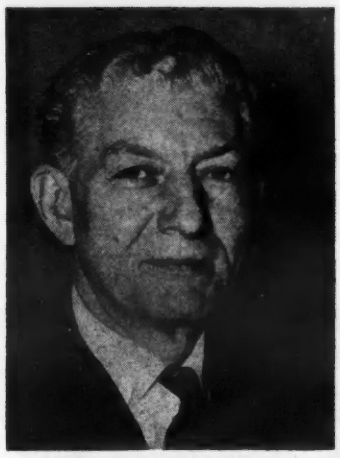
The Bureau of Mines has developed a new process for the decomposing of potash alum, which gives sulphate of potash as a by-product in a simple, practicable method of producing alumina from which to make aluminum metal.

This process has been reported by Dr. R. R. Sayers, director of the bureau, to J. A. Krug, Secretary of the Interior. Also reported are earlier laboratory investigations by the Bureau demonstrating how alum crystals of high purity could be recovered from alunite, clays, and other low-grade aluminous materials which occur abundantly in this country.

The new process has two major steps, the dehydration of alum and the thermal decomposition of the dried alum, according to the report prepared by C. T. Baroch and A. W. Hackwood, metallurgists at the bureau's Boulder City, Nev., experiment station, and R. G. Knickerbocker, chief of the bureau's metallurgical branch. Four different procedures for dehydrating or removing the water from alum were investigated, and two methods for thermal decomposition of dehydrated alum were tested. The leaching of the decomposed alum with hot or cold water, which dissolves out the potassium sulphate content and leaves the alumina as a residue, is the final step in producing cell-grade alumina suitable for electrolysis and the recovery of aluminum metal.

Technical details of each phase of the process, together with the results of the bureau's pilot plant experiments, are presented in the report. A free copy of the publication, Report of Investigation 3845, "Pilot-Plant Investigations on the Preparation of Alumina from Potassium Alum," may be obtained by writing to the Bureau of Mines, Department of the Interior, Washington 25.

Plastics Plant Head



Floyd D. Dean has been appointed works manager of the new Washington, W. Va., plastics plant of E. I. du Pont de Nemours & Co., Wilmington, Del. He had been works manager of the company's 'Lucite' acrylic resin sheeting plant at Leominster, Mass.

Barbiturates Control In D.C. Favored

The senate committee on the District of Columbia has voted a favorable report on S. 1986 for regulation of the sale of barbiturates in the District of Columbia.

The bill proposes to bring the sale and use of barbiturates under the narcotic law for control in the same manner that narcotic drugs are controlled in the District of Columbia. It also increases the penalty for habitual offenders.

The bill was sponsored by the Federated Women's Clubs of the District and meets with the approval of the District of Columbia Board of Commissioners.

Strategic Materials Stockpiling Extended

OPD Washington Bureau

The period for stockpiling strategic materials, minerals and metals needed by the army and navy for national defense has been extended to July 1 by the War Assets Administration. Provisions for the extension were contained in an amendment to SPA Regulation 17, which set an original date of April 1. None of these materials may be declared surplus and sold before July 1.

OPA Extension Voted By House Committee

By a vote of 20 to 3 the house committee on banking and currency April 3 adopted an amendment to the OPA extension bill to provide for gradual elimination of price controls on items as supplies catch up with demand, and for a liquidation of the agency not later than June 30, 1947. The committee also adopted another amendment to repeal the OPA regulation requiring manufacturers to make low-cost clothing, effective July 1. The amendment for gradual liquidation of controls requires:—

The price administrator (and the Secretary of Agriculture) shall proceed immediately to formulate a comprehensive plan for the progressive removal of price controls and subsidies in order that the return to a free market and to free collective bargaining may be accomplished on or before June 30, 1947, without disturbance of the national ecenomy

These definite stipulations are put into the bill:—

1. Price controls shall be removed on any commodity or article upon satisfaction of domestic demand therefore.

2. The President each month shall determine whether domestic demand for various commodities has been satisfied, and wherever he determines that the demand is satisfied he shall forthwith certify that fact in writing to the price administrator.

3. Upon receipt of this certification, the price administrator must act within 10 days to remove all price controls with respect to such commodity or class of commodities.

4. The President is given the major responsibility for decontrol, but the OPA administrator may remove price ceilings on his own initiative.

Fats, Oils Quotas System Seen Remaining

Soap manufacturers may be facing another cut shortly in their allotments of fats and oils because of world conditions in supplies of these materials, according to testimony of Gordon Payton, acting assistant administrator of the Production and Marketing Administration, April 5, before the house committee investigating small business.

Mr. Peyton said that information just recently brought to his attention indicates "a further cut in soap quotas may become necessary in the not too distant future." The reason for this, he said, is that world demands for edible fats are such that increasing calls to supply may fall on the United States.

Demands of small soap manufacturers that quota restrictions on fats and oils either be lifted entirely or be based upon 1944-45 consumption were met with statements from officials of the Department of Agriculture this week that the present outlook for fats and oils this year makes it impossible to change the quotas at this time.

Testifying before the Patman small business committee on complaints of small soapers that they were being treated unfairly in the administration of WFO-42B, Gordon Peyton, acting assistant administrator of the Production and Marketing Administration, said that industry estimates of this year's probable fats and oils supplies are too optimistic and out of line with expectations of the department.

Whereas the industry is looking for 340,000,000 pounds of coconut oil, 60,000,000 pounds of palm oil, and 32,000,000 pounds of imported inedible tallows and greases, he declared, the department's forecasts are that coconut oil imports will not exceed 250,000,000 pounds, palm oil, 38,000,000 pounds, and imports of inedible tallows and greases will be nil. Mr. Peyton said:—

We do not feel that soap fat supplies are sufficient to remove all controls. No holder of fats and oils supplies has ever come to us and told us that he could not dispose of his supplies within quota. At any time supplies indicate that we can increase quotas we will increase them.

Mr. Peyton testified that the Department of Agriculture estimates that there will be need for 1,843,000,000 pounds of fats and oils this year to fill quotas at their present level, and if quotas are lifted another 350,000,000 pounds would be needed. To place the quotas on the basis of 1944-45 consumption, he added, would necessitate reducing the present quotas to 71 percent.

Washington Talks It Over

The OPD Observer

OPA policies on giving price adjustments, necessary as a result of the new wage-price program of the government, appear to be taking shape along three main lines:—(1) Industry-wide price adjustments wherever possible: (2) removal of products from price-control more rapidly than heretofore; and (3) a new order, now in the making, for individual company adjustments.

Products which now are not sufficiently important to be handled on an industrywide basis, or which cannot be released from price-control, and which are eligible for price adjustment under the new wage-price policy, are to be handled on an individual company adjustment basis. Officials are now working up a long list of such products for inclusion in an appendix to the order—if and when it is issued. Additional products can be added to the list upon a showing to OPA that they are justified for inclusion.

The present thinking is that, under the individual company adjustment order, adjustments will be made by having the individual company compute its own adjustment and file a request with the local OPA office. The OPA field office will have a right of review, and unless OPA objects, the price computed by the company will be the official price.

Rosin Goes Abroad

A major tug-of-war is now going on between the politicians from the South and the government, chiefly the Civilian Production Administration, over the amount of gum rosin that should be allowed to be exported in the new crop year. In spite of the heavy needs for this material in the light of the huge new housing program, producers and exporters are being blinded by the big money being offered for gum rosin abroad.

The industry started out last year with an export quota of 50,000 drums and with successive pressures on the government here and there boosted the amount exported during the year to 233,000 drums. Now it is making a "first" demand for the new year for an export quota of 650,000 drums with the hope of upping this figure later. CPA is willing to grant a quota of 400,000 drums but isn't at all certain that it can hold it to this figure under the political pressure the Southerners can bring on the government.

Brakes on Inflation

Individuals today are holding something in the neighborhood of $145,000,000,000 of highly liquid assets—currency, deposits, and government securities—and the holding of similar assets by business run the total up to around $225,000,000,000. These are the makings of an inflationary boom and a pretty disastrous collapse, if those in control don't watch their step.

As skittish as the situation might appear on paper, the experts assure us, however, that a disruptive inflation, while a real possibility, is by no means inevitable. They reason this by citing two points of contrast with the experience after the previous war.

First, most price-controls were removed almost immediately after Armistice Day; whereas, today control legislation exists until the middle of this year and a further extension is probable.

Secondly, after World War I there was only a moderate expansion in production to meet the enlarged demands of business and consumers. Because of the large increase in productive capacity during the recent war, industry is now able to effect a much larger and more rapid expansion in the flow of goods to the consumer. Thus, there is at hand the means for combating the pressure for inflationary price rises—if the unions would only stop striking and let industry produce.

Weedkilling Made Easy

Soil scientists are continuing to find out new things about the new weedkiller, 2:4-D. The latest is that weed seeds can be killed in the surface soil of fields during the Winter by applying small quantities of the herbicide in the Fall and the soil will be ready

—Continued on page 34

Lead Quotas Reduced 10%

OPD Washington Bureau

Second quarter lead allocation has been reduced approximately 10 percent from the first quarter total, the civilian production administration announced April 2. Permissive inventories have been reduced from 45 days supply to 30 days supply. The lead inventory controls have been transferred from M-38 to CPA inventory control regulation PR-32.

A new lead chemical order, L-354, limits the consumption of lead in lead acetate, lead antimoniate, lead dioxide, lead chloride, lead nitrate, lead silicate (mono), lead silicate (di), litharge (except for batteries, lead arsenate, lead arsenite), red lead, white lead, lead chrome pigments, frit, and sodium plumbite, to 38½ percent of the lead consumed by manufacturers of such lead chemicals during the first six months of 1944. Limits the consumption of lead in insecticides to 45 percent of lead consumed in the first six months of 1944.

Up until the present time producers of lead chemicals and insecticides have been operating under quotas established on the basis of 48 percent of usage during the first six months of 1944. The only inventory restrictions prior to the issuance of the new order which governed lead chemicals were the minimum working inventory restrictions provided in Priorities Regulation No. 32.

A new ethyl fluid order specifying the amount of such fluid which may be used monthly, has been issued. The order, L-355 limits motor gasoline to an 80 octane content.

Restrictions on ethyl fluid contained in the new order L-355 limit the use and delivery of this fluid beginning April, 1946, to 27 percent monthly of the amount used in the three-month period of November, December, 1945, and January, 1946.

Uses of lead for essential civilian type of ammunition have been curtailed through limiting uses to special allowable grants by CPA.

Revised allocations of lead for the second quarter, most of which are contained in the newly amended lead conservation order M-38 effective April 2, will total approximately 230,000 tons compared with 257,000 tons in the first quarter of 1946. A reduction in second quarter lead allocations was forecast in a CPA lead report (CPA-224—March 10, 1946) which stated that the indicated demand for lead in 1946 amounted to about 1,040,000 tons at that time, compared with an indicated supply of 860,000 tons.

WAA Chemical Plants For Sale or Lease

The War Assets Administration is offering for lease or sale the following plants:—

A metals project in Navada, operated by the Basic Magnesium Corporation, produced magnesium, magnesium alloys, chlorine and by-products. Regional office, 504 Dooly building, Salt Lake City, Utah.

Chemical plant, Spokane, Wash., operated by Electro Metallurgical Company. Regional office, Columbia building, Spokane, Wash.

Two magnesium plants, one in Texas and one near Carlsbad, New Mexico, operated by the International Minerals and Chemical Corporation. Regional office, Alamo National building, San Antonio 5, Tex.

Crude distillation unit, crude fuel flash unit, and utilities for refinery. Regional office at Los Angeles.

NONFLAMMABLE LACQUERS

Lacquers with excellent nonflammability characteristics can be formulated with cellulose acetate, cellulose triacetate and cellulose acetate butyrate.

The use of these coating materials has been made practical by the availability of the nitroparaffins—the first satisfactory medium-boiling solvents for these cellulose esters.

Nonflammable lacquers having good flow and non-blushing characteristics can be readily prepared with the nitroparaffins. These cellulose ester lacquers also have excellent exterior durability in clears and are useful in non-gelling bronzing lacquers.

Formulation of such lacquers with the nitroparaffins is discussed in detail in a CSC publication entitled "How the Coating Industry is Using the Nitroparaffins." A copy will gladly be sent upon request.

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Patents Pacts Recording Bill Passes House

The Boykin bill (H. R. 3756) providing for the recording in the Patent Office of all patent licenses and agreements which include or recite "any restriction as to price, quantity of production, geographical area, or field of use, or any restriction beyond that inherent in the patent grant" was passed by the house, April 1. The bill now goes to the senate for concurrent approval.

Purpose of the legislation, it was explained in the report, is to enable the law-enforcement officers to determine whether the licenses or agreements violate the antitrust laws and go beyond rights inherent in the patent, such as attempting to fix resale prices of patented products.

In order to avoid needless recording, section 3 of the bill provides for the recording of only essential information where a uniform type of agreement, license, or other instrument is employed, and for the recording of abstracts under such rules and regulations as may be promulgated by the Commissioner of Patents.

The persons required to record are specified in section 4. In the case of international agreements, the persons over whom the courts have jurisdiction are responsible for recording, i. e., residents of the United States. In cases where all of the parties to an instrument are residents of the United States, the assignee, grantee, or licensee is liable for recording.

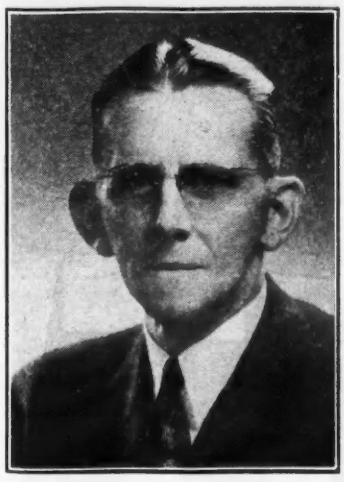
Section 5 of the measure provides that licenses and agreements recorded under section 2 of the bill shall not be open to public examination and inspection unless they are also recorded in the public register provided by section 1. This provision is to prevent the competitors in business of the patent owner from obtaining business information which would be prejudicial to the business operations of such owner.

Murphy Made Assistant Patents Commissioner

OPD Washington Bureau

The senate has confirmed the nomination of Thomas Francis Murphy as assistant commissioner of patents. Mr. Murphy, who entered the patent office fourteen years ago as an examiner, succeeds C. C. Henry, who resigned after thirty years of service to enter private law practice in Washington, D. C.

Elected Vice-President



Charles Dresser has been elected vice-president of Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Mr. Dresser started with the company as sales manager in 1920. In January, this year, he was elected vice-president of Coltex Refining Company, subsidiary of Anderson-Prichard and the Standard Oil Company of California.

Naval Research Unit Asked in House Bill

OPD Washington Bureau

A bill (H. R. 5911) providing for the establishment of an office of naval research in the Navy Department has been introduced in the house by Representative Carl Vinson of Georgia.

The purpose of the bill is to plan, foster, and encourage scientific research in recognition of its paramount importance as related to the maintenance of future naval power, and to provide within the department a single office which shall be able to obtain, coordinate, and make available to all bureaus and activities of the department, worldwide scientific information and necessary services for conducting specialized and imaginative research.

The bill also provides for establishment of a naval research advisory committee consisting of persons preeminent in the fields of science and research, to consult and advise the chief of the office in matters pertaining to research.

Scientists Urged to Play Greater Role in Government

An appeal for scientists to play a greater role in government in the future was made last week by Dr. Eric K. Rideal, Fullerian professor of chemistry at the Royal Institution, London, and president of the Society of Chemical Industry.

Speaking at a dinner meeting of the society's American section, Dr. Rideal said that he hoped in the near future a large number of government executives will be drawn from the ranks of research workers in government service.

Dr. Rideal said that the impact of science on politics and government is now so great in this scientific age that the scientific method of approach to these problems must be part of the government itself and not a mere appendage to be consulted when desired.

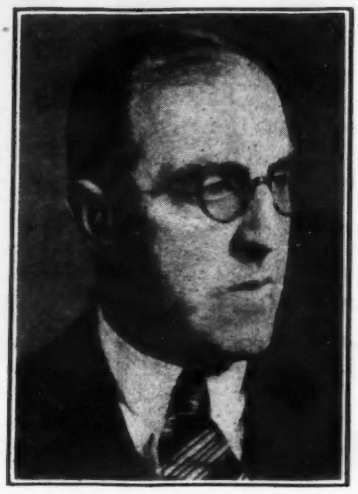
The enforced secrecy under which government scientists, and particularly those associated with the military services, must operate was deplored by Dr. Rideal, who said that although he did not believe all information obtained by the services should be made available at once to the scientific world, he regarded the present policy as much too strict. Work should automatically be free but put on the secret list where desirable, he asserted.

Dr. Rideal said that fundamental research is and should remain in the aim of the university laboratories, while technological research may be said to have for its purpose the development of new effects. There is a natural interrelation between the two, he said, and each is stimulated by the other. He admitted academic research requires financial support by industry and government, but deplored the tendency toward suggestions and direction of research in universities by either.

The dinner-meeting was presided over by Francis J. Curtis, vice-president of the Monsanto Chemical Company, St. Louis, and chairman of the American section of the Society. Another speaker, Sir Ian M. Heilbron, professor of organic chemistry at the Imperial College of Science and Technology, University of London, who has been awarded the Priestley Medal of the American Chemical Society, brought greetings of British scientists.

Priestley Medal Won by Heilbron

Sir Ian M. Heilbron, professor of organic chemistry at the Imperial College of Science and Technology, University of London, has been



Sir Ian M. Heilbron

awarded the Priestley Medal for his "distinguished service to chemistry." He will receive it April 8 at the national meeting of the American Chemical Society in Atlantic City, N. J.

Sir Ian won wide attention by his researches on the structure of squalens and his studies on the relationships between the sterols and vitamin D. Later he contributed to the determination of the structure of vitamin A.

The discovery of vitamin A2 followed in 1928 and he has since carried out numerous synthetic studies in the polyene series which are said to have laid sure foundation for the synthesis of vitamins. For the past several years Sir Ian has been engaged in investigations of the structure and synthesis of penicillin.

Hog Serum Handling Order Hearing Set

OPD Washington Bureau

The Department of Agriculture will hold a public hearing April 15 for consideration of proposed amendments to the existing marketing agreement and order regulating the handling of anti-hog-cholera serum and hog-chloera virus. The hearing will begin at 10 a.m. in room 218 of the department's administration building.

The changes have been proposed by representatives of the serum industry and relate primarily to trade practices involving contracts for large purchasers of serum and virus. The proposals have not received the approval of the Secretary of Agriculture.

Food Research Bill Introduced in House

OPD Washington Bureau

Representative Clifford Hope, of Kansas, has introduced a bill (H.R. 5925) for establishment of a national food research institute for the purpose of concentrating scientific research, skill and methods on the problems of better utilization of food and fiber surpluses.

Policies to be followed in attaining these objectives would be (1) improvement of the operation of the private marketing system to eliminate waste and inefficiency and thereby to reduce the relative cost to consumer; (2) make available to the food production, processing, and distribution industry, scientific laboratory and research facilities and personnel so that opportunity for scientific research and development will be available on reasonable terms to all members of the industry; (3) improvement of dietary and nutritional standards through research, processing and marketing improvements, and education; (4) development of new and wider markets for American food and fiber products.

Chlorophyll Extraction Fellowship Established

The Northeastern Wood Utilization Council has established a fellowship in the graduate department of chemical engineering at Yale University, sponsored by Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, New York. The two-year fellowship has been awarded to Edwin O. Guernsey who will investigate the extraction of chlorophyll and other materials from green plants and leaves, for medicinal, deodorizing and feed purposes.

NPVLA Executive Group to Meet

The executive committeee of the National Paint, Varnish and Lacquer Association will hold its quarterly meeting in the Statler hotel, Washington, D. C., April 16. The budget and finance committee is to meet on the preceding day, April 16, at the same hotel.

Industrial Application of Chemicals

Abacaxi Fiber

Miscellaneous—Raw material for making sacks (claimed to be stronger than jute).

2-Brom-4-phenylphenol

Chemical—New organic compound offered by experimental work.

Copper-Phthalocyanin

Floor Coverings—Pigment for coatings on linoleum and oilcloth.

Ink—Pigment in lithographic and printing inks.

Paint, Varnish, and Lacquer—Pigment in color lakes, paints, enamels, lacquers (gives a brilliant blue color of outstanding fastness properties).

Paper—Ingredient of printing pastes for coloring paper, cardboard, paperboard, and the like.

Pigment for paper coloring and decoration, wallpaper printing.

Textile—Pigment in coating and printing compositions for textiles.

Copper-Tetra-(4)-aminophthalocyanin, Tetradiazotized

Dye—Starting point (Brit. 541146) in making green dyes, fast to washing, light, and bleaches, by condensing with a xanthate or an alkali thiocyanate and hydrolyzing the resulting xanthic esters or thiocyanate compounds to thiols, which are oxidized and function as sulphide dyes.

Guaiac Juice

Fats, Oils, and Waxes—Antioxidant for fats and oils.

Food—New preservative for military foodstuffs (reported used for dehydrated fruits and vegetables, for meats, and for impregnating paper wrappings of fatty foods to prevent the fats from soaking through).

Tetramethylthiuram Bisulphide

(Additional uses—supplementary to information in the books, Uses and Applications of Chemicals and Related Materials.)

Insecticide and Fungicide — Fungicide for controlling orchard spores (reported to have caused injury to fruit and foliage of apple, peach and cherry trees when combined with lime and lead arsenate) and turf diseases.

Rubber — Vulcanization accelerator in rubber processing.

Association Meeting Dates

American Chemical Society, Convention hall, Atlantic City, N. J., April 8.

American Drug Manufacturers Association, Cavalier hotel, Virginia Beach, Va., May 6-9.

American Institute of Chemists, Biltmore hotel, New York, May 17-18.

American Spice Trade Association, Astor hotel, New York, May 6-8.

American Trade Association Executives, Ritz-Carlton hotel, Atlantic City, N. J., April 29.

American Tung Oil Association, San Carlos hotel, Pensacola, Fla., April 26-27.

American Turpentine Farmers Association, Valdosta, Ga., April 16-17.

Chamber of Commerce of the United States, Convention hall, Atlantic City, N. J., April 30-May 2.

Chemical Market Research Association, Statler hotel, Detroit, April 25.

Flavoring Extract Manufacturers' Association, Drake hotel, Chicago, June 2-4.

Interstate Oil Compact Commission, Tulsa hotel, Tulsa, Okla., April 11-13.

National Association of Purchasing Agents, Chicago, May 27-29.

National Wholesale Druggists Association, Palmer House, Chicago, April 17-18.

Plastic Exposition, Grand Central Palace, New York, 22-27.

Society of the Plastics Industry, Commodore hotel, New York, April 23-24.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 15-17.

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This is the same *premium* peppermint used by 3 out of every 4 pharmacists for prescriptions, yet it actually costs no more, often *less* than ordinary grades.

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Current Market Quotations Chemicals and Related Materials

April 4, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1] dms., c.l., divd.lb. .07 - —
l.c.l., divd.....lb. .07½- —
tanks, divd.....lb. .06 - —
Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.86
70%, bbls.....100 lbs. 6.68 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.93 - 7.25
USP, dms., works,.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .69
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Brenner's bbls. .....lb. 1.11 - —
Cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.93 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .23½- .26½
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, divd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .600 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, divd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Salt, fib., dms., c.l., works.lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd.E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12¼- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return. Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works... 100 lbs. 7.90 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., 95%, dms..lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.80
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .13 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. ....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., divd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., divd. E. Rockies..lb. .15½- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .16¾- —
single pressed, bgs., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .15½- —
triple pressed, bgs., c.l., divd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., divd., lb. .19½- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works..... ton.17.30 - —
Acid, sulphuric, CP, USP, consumers cbys. extra..lb. 08 - —
9-lb. bots., cs. extra..lb. 10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs., lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.30 - 1.35
Aconitine, amorph., bots.....oz.28.00 -36.00
15-gr. vials.....vial. 1.60 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .28 - —
l.c.l., works.....lb. .29½- —
tanks, rorks.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.20 - 1.25
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .65 - —
Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .2180- —
l.c.l., frt. alld. E....lb. .2230- —
tanks, frt. alld. E....lb. .2080- —
tankwagons, frt. alld.lb. .2130- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., divd.lb. .065 - —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .06½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, cms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .658
tanks, E. divd.....gal. .548 - —

Tankcar sales require written authorisation by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .601½- —
l.c.l., works, E.....gal. .631½- .65½
tanks, E. works.....gal. .531½- —
SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .661½- .69½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - 68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorisation by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

1—Specific price ceiling
2—Price agreement (sellers with OPA)
3—General Limitation Order
4—General Preference Order
5—Conservation Order
6—Allocation
7—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .16
tanks, dlvd.....lb. .10½- .12½
tech., dms., c.l., dlvd.....lb. .11 - .12½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½
Ethyl, 190 pf., dms., c.l., wks. gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks.....gal.17.68½- —
absolute, dms., c.l., works..gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks.....gal.18.66½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .36 - —
dms., c.l., works..lb. .21½- —
l.c.l., works.....lb. .24 - —
tanks, works.....lb. .23 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0980- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .36 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .31½- —
99%, dms., incl., c.l., dlvd.. gal. .41½- —
l.c.l., dlvd.....gal. .44½- —
tanks, dlvd.....gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb .69 - .69
Propyl, normal, dms., works. gal. .67 - —
smaller containers, works. gal. .82 - —
tanks, works .....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y...lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.30 - —
Aletris root, bgs.....lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex dock.... long ton.67.50 - —
Algarobilla price based on ocean frt. at $15 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs., lb. .18 - .18½
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .47 - .48
Socotrine, kgs.....lb. .43 - .44
cases, bbls., dms., kgs.....lb. 4.40 - 4.60
Alphanaphthol, bbls.....lb. .82 - —
Alphanaphthylamine, bbls.....lb. .82 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .28½- .30½
Alphapinene, dms., c.l., wks..gal. .89½- —
l.c.l., works.....gal. .91½- —
tanks, works.....gal. .86½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1300- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .19
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. 12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground. kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .40½- .46
Acetate, basic solution, 24%, bbls., dlvd..lb. 10½- .11
20%, bbls., dlvd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 23 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03½- —
l.c.l., works.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09¼- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., works lb. .024 - .031
l.c.l., works.....lb. .033 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)$_3$ dms., 10,000 lbs. or or more, f.o.b. ship't point. lb. .06 - .06¼
ton lots, same basis..lb. .06¼- .06½
smaller lots, same basis. lb. .06¾- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb .14 - .17
Laurate, precip, bbls.....lb .25 - .29
Naphthenate, 1.7% Al, 50-gal dms., works..lb .19¾- —
Oleate, dms., contract.....lb .24½- —
Resinate, precip., dms.....lb .15½- —
Stearate, precip., cts., c.l...lb .28 - —
l.c.l.....lb .24 - —
Sulphate, com'l, bgs., c.l., works frt. equald. 100 lbs 1.15 - 1.25
l.c.l., works, frt. equald 100 lbs 1.40 - 1.50
bbls., c.l., works, frt. equald 100 lbs 1.35 - 1.45
l.c.l., works, frt. equald 100 lbs 1.60 - 1.70
iron-free, bgs., c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l.....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .38 - —
Powder, lining, extra, dns, 100-lb. dms.....lb. .52 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms..lb. .50 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms...lb. .36 - —
varnish, stand., 300-lb. dms.. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 2c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, uns.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .38 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02¾- —
l.c.l.....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, f.t. alld..lb. .43 -
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0504- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs....lb. .1090- —
powd., bbls., kgs.....lb. .1150- —
Bromide, NF, bbls.....lb. .29 - —
dms.....lb. .29 - —
Carbonate, USP, lump, dms..lb. .03½- .03¾
cns.....lb. .14¼- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammonium, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride,[1] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars.....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars.....lb. 3.85 - —
Linoleate, 50%, anhyd., bbls.lb. .12 - —
Molybdate,[2] c.p., cryst., kgs.lb. 1.20 - 1.25
fine cryst., bbls., kgs....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 22.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.25 - 4.50
bbls., works.....100 lbs. 4.50 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va...ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran, bbls.....lb. .22 - —
dms.....lb. .26 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .26½- .29½
Phosphate, dibasic, NF V, bbls., kgs...lb. .27 - .30
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07½- .09¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .09½- —
Sulphamate, bbls., works....lb. .18 - .21
Sulphate,[1] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports....ton.29.20 - —
Sulphide, liquid, 40-45% basis 100% dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .07½- —
red, 45% cbys, works.....lb. .09 - —
dms., works.....lb. .06 - —
yellow, 15%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars.....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. 17½- —
tanks, dlvd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. 15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .99 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - —
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.20 - 2.50
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .23
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld...lb. .12½- —
tanks, works, frt. alld....lb. 10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese.....lb. .38 - .39
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .34 - .34½
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.25
Annatto, pastes, bxs.....lb. .24 - .29
Seed, bgs.....lb. .12½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
80%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16¼ Nom.
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l.....lb. .17 - —
paint grade, bgs., c.l.....lb. 16¾- —
l.c.l.....lb. 16¾- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. 17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity).65.00 - 67.00
Arnica flowers, bls.....lb. 2.25 - 2.60
Arrowroot, powd., bgs., bbls..lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l..... ....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
Asafetida, cs.....lb. .55 - .60
powd., bbls., dms.....lb. .75 - .90
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.26.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l.....ton.55.00 - —
Egyptian.....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.20.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .03½- .12
process form, bgs., works..lb. .05¾- .18
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.25 - —

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 2.50 - 2.60
Sodium, dms.....lb. 2.75 - 2.80
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....ton. 27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.75.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .19
Iodide, bots.....lb. 4.62 - 4.83
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. 09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. 09¼- .10
kgs.....lb 12 - —
Barytes,[1] floated, bbls., c.l., St Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines....ton.18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb .70 - 1.10
tech., cbys., dms.....lb .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb .70 - —
Benzocaine, cns.....lb 2.70 - 2.85
Benzol (benzene), pure, nitration and 90%, dms., works. gal .20 - —
tanks, E. of Omaha frt alld gal .15 - —
W. Coast, Minnesota, Colo gal .15 -
Benzophenone, dms.....lb 1.15 - 1.20
Benzoyl chloride, cbys.....lb .09¼- .10
Peroxide, pure, gran, fib cns, works lb 1.05 - —
Benzyl acetate, f.f.c., cns.....lb .80 - —
dms.....lb .495 - .55
Alcohol (see Alcohol, benzyl)
Benzoate, f.f.c., dms.....lb 1.05 - 1.15
Benzyl chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns.....lb. 2.70 - 2.95
Propionate, bots.....lb. 1.85 - 2.05
Salicylate, bots.....lb. 1.90 - 1.95
Benzylidinacetone, bots.....lb. 2.35 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .22 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 2.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.65 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 2.00 - —
jars.....lb. 2.05 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars.....lb. 2.75 - —
Hydroxide, bots.....lb. 2.41 - 2.46
cns.....lb. 2.55 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.30 - —
Oxychloride, bots.....lb. 2.14 - 2.19
cns., dms., kgs.....lb. 2.10 - —
Subbenzoate, bots.....lb. 2.51 - —
fib. dms.....lb. 2.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.80 - 1.82
bots., cns.....lb. 1.69 - 1.82
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.75 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.85
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.15 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.28
bots.....lb. 1.20 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.60 - —
5-lb cans.....lb. 2.54 - 2.80
Sulphocarbolate, bots.....lb. 2.71 - 2.74
fib. dms.....lb. 2.65 - —
Bismuth-ammonia citrate, USP, powd., dms....lb. 2.40 - —
cns.....lb. 2.45 - 2.80
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .19 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs, bbls., c.l., same basis. lb. .12 - —
3, bgs, bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. 11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .062 - —
uncompressed, regular, bgs., c.l., works..lb. .08035- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. 06¼- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. 12½- —
3, ctns., c.l., works.....lb. 14½- —
l.c.l., works.....lb. 15½- —
4, ctns., c.l., works.....lb. 16½- —
l.c.l., works.....lb. 17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .22 - —
6, ctns., c.l., works.....lb. 20½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .34 - .35
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l same basis....ton.46.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.50 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .60 - .65
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis ...lb. .95 - .99
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 2.50 - 2.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.80 - 4.90

LACTIC ACID
U.S.P. XII

We are now able to supply limited quantities of Acid Lactic U.S.P. XII.

This is a water white 85% liquid, packed in carboys of about 120 pounds net each.

In view of anticipated seasonal demands, we recommend you place your commitments 30 to 60 days forward.

We also supply Lactic Acid 50% edible packed in barrels of about 400 pounds net each.

WILLIAM D. NEUBERG COMPANY
Chemicals
GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324
CABLE "WILNEUBERG"

Blue, iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .86 - —
Molybdated, Victoria, bbls., same basis..lb. 2.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .37
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms. ....lb. 1.61 - 1.75

Blueflag root, bls.....lb. .60 - .65
bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[2] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.36.50 - —
Chicago, works ....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.60.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .26 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls. .....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis lb .0235- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. 08 - 10
Umber, burnt, American, bbls., works..lb. .06½- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Brown, umber, burnt, Amer., Turkey-type, bbls., c.l., ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06¾- —
Vandyke, reg., bbls., works..lb. .08 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs .....oz. .30 - —
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .80 - .82
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .06 - —
Burdock root, bls.....lb. .35 - .37
Burgundy pitch, dom., dms .lb. .08 - —
Butane,[1] indust., tanks, group 3. gal. .03½ —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2085- —
l.c.l., same basis.....lb. .2085- —
tanks, same basis.....lb. .1935- —
tankwagon, same basis.lb. .1985- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,5] ingots or sticks, divd. lb. .90 - —
pat. shapes, cs., divd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots .....lb. 2.05 - 2.20
Hydrobromide, bots .....lb. 5.29 - 5.37
Calabar beans, bgs., futures, lb. .60 - .65
Calamus root, natural, dom., bls. lb. .50 - .55
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07¼- .08
l.c.l., same basis.....lb. .08 - .08¼
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., divd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -34.50
l.c.l., divd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake is burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms .....lb. .57 - .60
cns .....lb. .70 - —
powd. 2c. per lb. lower
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.12
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .25 - .27
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.80
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 over works..lb. 07 - 07¾
less than 10, works ...lb. 08 - 10
medicinal, dibasic, bgs. 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald ...lb. .06 - 06¼
tribasic, bbls., c.l., works..lb. .0635- .0685
bgs., l.c.l., works .lb. .0645- .0680
Resinate, precip., 8.5% Ca, 100-lb. bbls lb. .15¼- —
Silicate, hydrated, c.l. bgs., works..lb. .05½- —
l.c.l., works .....lb. .06 - —
Stearate, precip., cns., c.l., works..lb. .25 - —
l.c.l., works .....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
90%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .13½

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Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.80
fine particle size, works..lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.00 - 2.05
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 9.00 - —
Capsicum (see Pepper, red).
Capsium oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. No stocks
Canadian, bgs.....lb. .40 - .41
Danish, bgs.....lb. .43 - .44
Dutch, bgs.....lb. .38 - .39
futures, bgs.....lb. .30 - .30½
Morocco, dewhiskered, futures, bgs..lb. .44 - .46
natural, bgs., futures.....lb. .38 - .39
Spanish, dewhiskered, bgs....lb. No stocks
Syrian, dewhiskered, bgs....lb. No stocks
Cardamols, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
85%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works.lb. .60 - —
isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R..lb. .06 - —
l.c.l., same basis.....lb. .06¾- —
6-gal. dms., c.l., same basis.....lb. .07 - .07½
l.c.l. same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .96 - —
l.c.l. .....gal. 1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .69 - —
l.c.l., frt. alld.....gal. .76 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .93 - —
l.c.l., frt. alld.....gal. 1.03 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .76 - —
l.c.l., frt. alld.....gal. .83 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.00 - —
l.c.l., frt. alld.....gal. 1.10 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l. gal. .83 - —
5 or 10-gal. dms., c.l..gal. 1.03 - —
l.c.l. .....gal. .90 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs. lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.10 - 1.12
India, cs.....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. .90 - .92
Carotene, cryst., 1,250,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 50%), amps, 100 grams, dlvd..gram. 3.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb. 37.50 - —
50,000 USP units per gm., bots., works..lb. 5.43 - —
dms., works.....lb. 7.68 - —
8,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb. 16.00 - 20.00
Cascara sagrada bark, bulk....o. .43 - .45
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .09¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .24 - —
rennet-precip., unground, bgs., 100 bgs. or more..lb. .25½- .25¾
Cassia,[1,7] China buds, bgs., futures..lb. .46 - .47
rolls, selected, cs., futures. lb. .46 - .47
extra select, broken, bls., futures..lb. .42½- .43
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton. 118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb. 12.00 - 13.00
synthetic, cns.....lb. 21.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. 1.00 Nom.
Indian, bgs.....lb. .22 - .22½
Celluloid scrap (see Pyroxylin scrap)

Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —

Granules are 5c. per lb. higher, all quantities.

Acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —

Granules are 5c. per lb. higher, all quantities.

Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs. c.l. works..ton 40.00 - —
Chalk, precipitated, papermakers, bgs., c.l., works..ton. 32.50 - —
rubbermakers, bgs., c.l., works ton 30.00 - —
Chamomile, Hungarian type, cs. lb. .60 - .65
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton. 35.00 - —
bur. bgs., ret., c.l., works. ton. 38.00 - 40.00
briquets, bulk, c.l., works... ton. 44.50 - —
bgs., c.l., works.....ton. 49.50 - 50.50
granular, all grades, bgs., incl., works..ton. 53.50 - —
Pipewood,[1] lump, bgs., c.l., Southern shipping points. ton. 20.00 - —
granular, powd., bgs., c.l., works, South..ton. 30.20 - —
Willow, powd., bbls.....lb. .06 - .07
l.c.l., works.....ton. 41.00 - —
Chestnut extract,[1,8] standard 25% tannin, bbls., c.l., works..100 lbs. 2.22 - 2.55
l.c.l., works.....100 lbs. 2.47 - 2.80
tanks, works.....100 lbs. 2.62 - 2.95
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.29
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay,[1] dom., dry-grd., air-float, 90.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 16.00 - —
bulk, c.l., works.ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 9.50 - 18.50
wet-grd., silk-bolt, 90¼%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton. 12.50 - —
China clay, import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.. ton. 19.00 - 24.00
powd., cks., l.c.l., ex whse.ton. 41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .22
USP, dms.....lb. .34 - .35
Chloropicrin, com'l, 180-lb. cyl., 100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 22% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .33
solut., 8% bbls., cs.....lb. .07½- —
7½%, bbls., cs .....lb. .06¾- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton. 16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 8.02 - 8.09
Cinchona bark,[6] red, quill, USP, 10 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices

Spot Deliveries

SODIUM BICHROMATE
HEAVY CALCINED MAGNESIA White
CITRIC ACID
CAUSTIC POTASH
MAGNESIUM METAL POWDER High Purity
ROCHELLE SALTS
COPPER SULPHATE
SODIUM SULPHITE High Purity
OXALIC ACID
BLEACHING POWDER 70%
RED LEAD
ZINC OXIDE American & French Process
LITHARGE
CHROMIC ACID

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

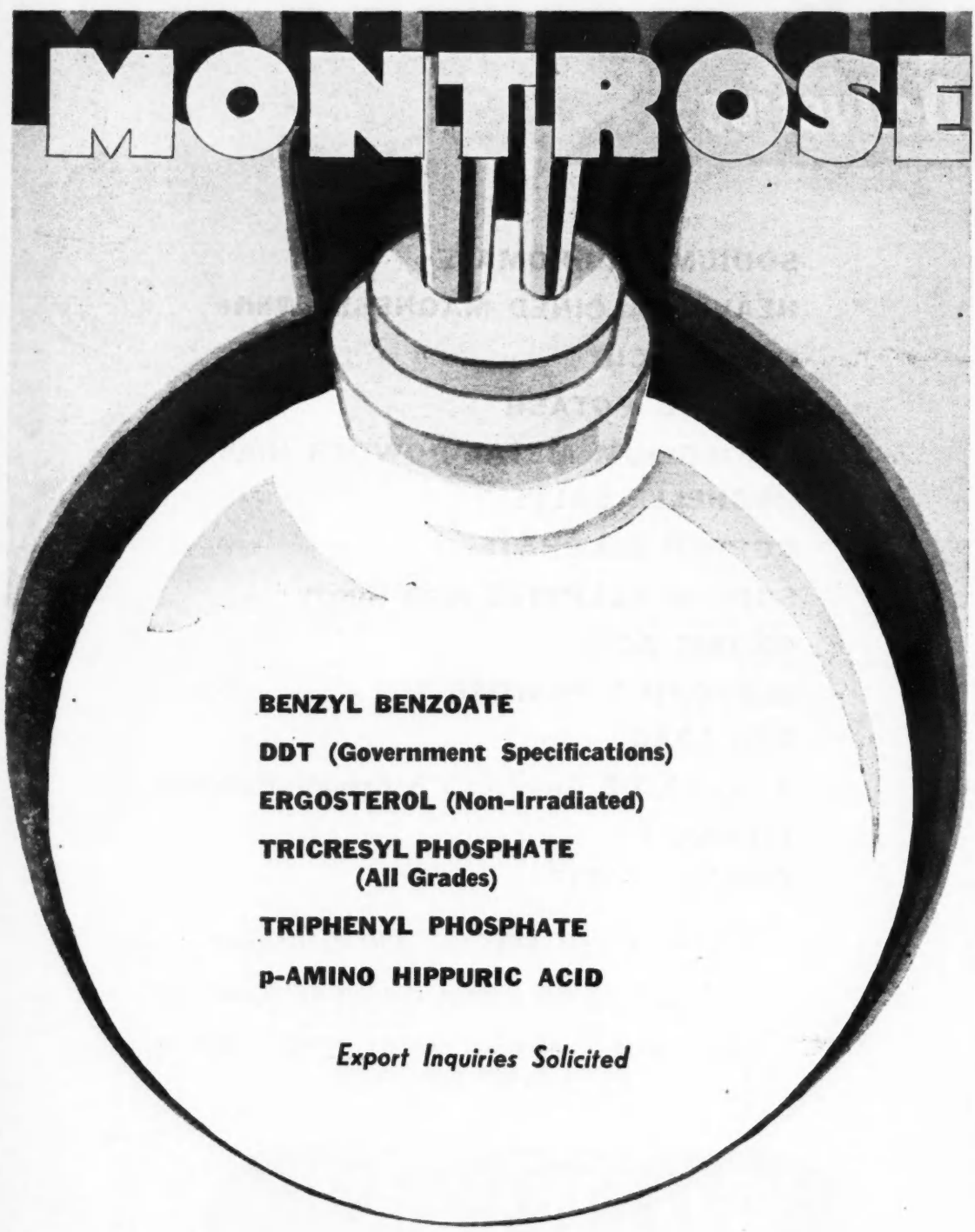
Cinchophen, NF, heavy, dms.	lb.	**3.70**	**- 3.80**
standard, dms	lb.	**3.50**	**- 3.60**
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cbys., cns., dms.	lb.	.85	- 1.00
Cinnamon,[1,7] Ceylon, O, bls., futures	lb.	.5700-	—
OO, bls., futures	lb.	.5820-	—
OOO, bls., futures	lb.	.5900-	—
OOOO, bls., futures	lb.	.5990-	—
No. 1, bls., futures	lb.	.5625-	—
2, bls., futures	lb.	.5635-	—
3, bls., futures	lb.	.5435-	—
4, bls., futures	lb.	.5335-	—
Citral, bots., cns.	lb.	6.50	- 7.50
Citrine, ointment, jars	lb.	.95	- 1.15
Citronellal, bots., dms.	lb.	No prices	
Citronellol, bots., dms.	lb.	No prices	
Clove,[1] Madagascar, bls.	lb.	.16¾-	.17¼
futures, bls	lb.	.16	- .16¼
Zanzibar, bls	lb.	.17¼-	.17⅝
futures, bls	lb.	.17⅛-	.17⅝
Clover tops, red, dom., bgs.	lb.	.50	- 55
imported, bgs	lb.	No stocks	
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works	bbl.	8.25	- —
l.c.l., works	bbl.	8.75	- —
tanks, works	gal.	.07½-	.08½
refd., 50-gal., bbls., c.l. wks.	bbl.	8.75	- —
l.c.l., works	bbl.	9.25	- —
tanks, works	gal.	.08½-	—
water-gas, crude, 55 gal., dms., c.l., works	lb.	8.25	- —
l.c.l., works	dm.	8.75	- —
refd., 55-gal. dms., c.l., wks.	dm.	8.75	- —
l.c.l., works	dm.	9.25	- —
Cobalt acetate, bbls., kgs., dlvd.	lb.	.83⅓-	—
feed grade, 49.5% Co, kgs.	lb.	1.25	- —
Carbonate, powd., bgs., works.	lb.	1.58	- —
feed grade, 23% Co, kgs.	lb.	1.86	- —
Chloride, kgs., works	lb.	.87½-	—
feed grade, 24.5% Co, kgs.	lb.	1.36	- —
Hydrate, bbls	lb.	2.04	- —
feed grade, 62% Co, kgs.	lb.	2.25	- —
Cobalt, linoleate, paste, 5%, dms.	lb.	.32	- .35
solid, 8½%, dms	lb.	.44	- —
Nitrate, feed grade, 30.4% Co, kgs.	lb.	1.25	- —
Oleate, bbls	lb.	.44	Nom.
Oxide,[1] black, kgs	lb.	1.84	- —
Phosphate, feed grade, 34% Co, kgs.	lb.	1.75	- —
Resinate, precip., 7.5% Co, 100-lb. dms.	lb.	.33½-	—
Soyate, 8%-8.5% Co, 50-gal. dms.	lb.	.42	- .44
Sulphate,[6] dms	lb.	.65	- —
feed grade, 21% Co, kgs.	lb.	1.09	- —

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.

Cobalt-ammonium sulphate, 14% Co, kgs.	lb.	.75	- —
Cocaine hydrochloride, 100-oz. lots, cns.	oz.	9.75	- —
Cochineal, gray, bgs	lb.	46	- .47
silver, Teneriffe, bgs	lb.	.47	- .48
Cocoa butter,[1,7] bulk, ship. pt.	lb.	.25	-
Cocillana bark, bgs	lb.	.60	- .61
Codeine, cns., 100 ozs.	oz.	11.70	- —
Hydrochloride, cns., 100 ozs.	oz.	10.50	- —
Phosphate, cns., 100 ozs.	oz.	9.00	- —
Sulphate, cns., 100 ozs.	oz.	9.50	- —
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.22	- .28
blue, bls.	lb.	.24	- .25
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½-	.20½
cns.	lb.	.23	- .29½
Flexible, USP, dms.	lb.	.21	- .22
cns.	lb.	.26	- .31
Colocynth pulp, bls.	lb.	.52	- .58
Colombo root, bls.	lb.	.12	- .14
Coltsfoot leaves, bgs.	lb.	.70	- .72
Condurango bark, bgs.	lb.	.17	- .18
Copaiba balsam, Para, cns.	lb.	No stocks	
S. A., USP, cns.	lb.	.95	- 1.00
Copper acetate, cupric, bbls., works	lb.	.25½-	—
smaller containers, wks.	lb.	.27	- —
Carbonate, 52-54%, bbls.	lb.	.19½-	.20½
Chloride, anhyd., bbls.	lb.	.22½-	.23
crystals, bbls.	lb.	.14⅝-	.17
Cyanide, tech., bbls.	lb.	.34	- .38
Iodide, bots.	lb.	5.15	- 5.10
Metal,[1] electrolytic	lb.	.12	- .12½
Naphthenate, 6%-9% Cu, 50-gal. dms.	lb.	.16	- .17
Nitrate, tech., cryst., bbls.	lb.	.19½-	.20½
Oleate, precip., bbls.	lb.	.22½-	.28½
Oxide, black, bbls., works	lb.	.19	- .20
	lb.	.19	- .20
red, com'l, bbls., works	lb	.21	- .34½
Oxychloride-sulphate,[6] bgs.	lb.	.17	- .20
Resinate, precip., 8.5% Cu, 125-lb dms	lb.	.13½-	.16
Sulphate,[1] 99%, cryst., bgs., c.l., works	100 lbs.	5.00	- —
l.c.l., 700 to 56,000 lbs	100 lbs.	5.15	- 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd	100 lbs.	10.25	- —
smaller lots, dlvd	100 lbs.	10.95	- —
dms., c.l., dlvd	100 lbs.	8.95	- 9.20
l.c.l., dlvd	100 lbs.	9.95	-10.20
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	- —
l.c.l., works	100 lbs.	1.55	- 2.00
bbls., c.l., works	ton.	20.00	- —
bulk, c.l., works	ton.	14.00	- —
Copra,[7] Coast, ship't.	lb.	No prices	
Coriander[1] seed, Argentine, bgs.	lb.	.07	- .08
Indian, bgs	lb	No stocks	
Morocco, bgs	lb.	.09	- .09½
Peru, bgs	lb.	.08	- .08½
So. American, bgs	lb	10	- 10
Corn silk, bls	lb.	.45	- .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd.	100 lbs.	3.905	- —
slabs, bbls., c.l., dlvd	100 lbs.	3.825	- —
Corn syrup, 42°, bbls., c.l., dlvd.	100 lbs.	4.231	- —
43°, bbls., c.l., dlvd.	100 lbs.	4.271	- —
Corrosive sublimate,[6] cryst., ams., 50 lbs. or more	lb.	2.07	- —
gran., powd., dms., 50 lbs. or more	lb.	1.92	- —
Cottonroot bark, bls	lb.	.35	- .40
Cottonseed hull ash, 22-30% pot-ash, bgs., dlvd.	unit-ton.	1.30	- —
Meal,[1,7] 41% protein, bulk, Memphis, c.l.	ton.	45.00	-49.75
Coumarin,[1] cns., 5 lbs. or more	lb.	2.75	- —
smaller lots	lb.	2.90	- 3.10
Cramp bark, NF, bls	lb.	.80	- .91
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.51¼-	—
smaller lots, bbls., kgs.,	lb.	.52	- .52½
imported, bls	lb.	.50	- .56
Creosote carbonate, bots., cbys.,	lb.	2.10	- 2.30
Coaltar (see Cresol).			
Oil,[2] coaltar, crude, tanks, works	gal.	.15½-	—
refined, dms., c.l., works,	gal.	.247	- .252
l.c.l., same basis	gal.	.26	- .28
tanks, same basis	gal.	.16	- .16½
solution, tanks, works	gal.	.141	—
Wood, beech, bots., cbys.	lb.	.85	- 1.04
Hardwood, N.F., bots., cbys.	lb.	.60	- .77
Pine, dms	gal.	.31	- .32
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald.,	lb.	.09½-	.10½
l.c.l., same basis	lb.	.10	- .11
tanks, same basis	lb.	.08½-	.09½
USP, dms., c.l., same basis	lb.	.10½-	.11⅝
l.c.l., same basis	lb.	.11⅛-	.11⅝
tanks, same basis	lb.	.10	- .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms.	lb.	.15	- —
5 and 10-gal. dms., works	lb.	.18	- —
Cryolite, nat.,[4] bgs., bbls., c.l., works	100 lbs.	9.50	- 9.75
bbls., l.c.l., works	100 lbs.	10.00	- —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	.06½-	—
l.c.l., works	lb.	.06¾-	—
Cube root, 5% rotenone, bbls., works	lb.	.40	- —
4% rotenone, bbls., works	lb.	.32	- —
Cubeb berries, XX, bgs	lb.	No stocks	
powd., cs	lb.	No stocks	
Culvers root, bls	lb.	.35	- .40
Cumin seed, Cyprus, bgs	lb.	No stocks	
Indian, bgs., futures	lb.	.34	- .35
Morocco, bgs	lb.	No stocks	
Persian, bgs	lb.	.36½-	.37
Syrian, bgs	lb.	No stocks	
Cutch, bgs	lb.	No stocks	
Cyanamide,[3] fertilizer mixing grades, guaranteed, 20.5% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton	1.62½-	—	
21% N., pulv., bgs., same basis	unit-ton.	1.82½-	—
Cyclohexane, tech., dms., c.l., works	lb.	.10¼-	—
l.c.l., works	lb.	.11	- —
tanks, works	lb.	.09¼-	—
Cyclohexanol, 99%-100%, dms., works	lb.	.21	- .23
Cyclohexanone, 97½% min., dms., c.l., works	lb.	.30	- .32
tech., dms., c.l., works	lb.	.30	- —
l.c.l., works	lb.	.30½-	—
tanks, works	lb.	.29	- —
Cyclopropane, USP, cyls., dlvd.,	gal.	.37	- —

D

Damiana leaves, bls	lb.	.35	- .40
Dandelion root, bls	lb.	.75	- .80
DDT, fiber, dms., c.l., works	lb.	.45	-
ton lots, works	lb.	.50	- —
tins, smaller lots, work	lb.	.53	- .60
Decanol, normal, tech., dms., dlvd.	lb.	.35	- —
Deertongue, bls	lb.	.34	- .35
Defluorinated phosphate,[1] paper bgs., works	ton.	34.25	- —
Degras,[1] common, bbls	lb.	.10	- .12
neutral, less 2% ffa, bbls	lb.	.28	- .30
over 2% ffa, bbls	lb.	.28½-	.29¼
Derris root (see Cube root).			
Dextrin, British gum, bgs., c.l., Chicago	100 lbs.	4.63	- —
l.c.l.	100 lbs.	5.39	- —
Chicago	100 lbs.	5.03	- —
Corn, canary, bgs., c.l.	100 lbs.	5.04	- —
Chicago	100 lbs.	4.68	- —
l.c.l.	100 lbs.	5.14	- —
Chicago	100 lbs.	4.78	- —
white, bgs., c.l.	100 lbs.	4.97	- —
Chicago	100 lbs.	4.61	- —
l.c.l.	100 lbs.	5.07	- —
Chicago	100 lbs.	4.71	- —
Potato, bgs., c.l.	lb.	.10	- —
l.c.l.	lb.	.10¼-	.11⅛
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grades, bots.	lb.	5.50	- 5.55
laboratory grade, bots.	100 grams.	4.50	- —
tech., bots., works	lb.	3.00	- —
Diamyl ether (see Amyl ether).			
Phthalate,[6] dms., c.l., dlvd.	lb.	.2170-	.2200
l.c.l., dlvd	lb.	.2220-	.2250
tanks, dlvd	lb.	.2070-	.2100
Sulphide, l.c.l., dms., works	lb.	.25	- —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast	lb.	.07	- —
l.c.l., ex whse	lb.	.10	- .16
nat. bgs., c.l., Pacific coast.	ton.	22.00	-28.00
l.c.l., ex whse	ton.	45.00	- —
purified, bgs., c.l., Atlantic coast	ton.	55.00	-59.00
l.c.l., ex whse	ton.	85.00	-90.00
Imported, Algerian, bgs., c.l., Atlantic coast	ton.	No prices	
Mexican, white, bgs., c.l., Atlantic coast	lb.	.02	- .03
l.c.l.	lb.	.04	- .06
Dibutyl phthalate,[6] 5-gal. cns., works	lb.	.2270-	.2300
1-gal., cns., works	gal.	.2470-	.2100
dms., c.l., works	lb.	.1720-	.2250
l.c.l., works	lb.	.1770-	.2400
tanks, works	lb.	.1620-	.2250
Sebacate, dms., c.l., works	lb.	.4900-	.5075
l.c.l., works	lb.	.4850-	.5125
tanks, works	lb.	.4800-	.4975
Tartrate, dms., works, frt. alld.	lb.	.92	- 1.02
Dibutylamine, dms., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.09	- —
Dichlorodiphenyltrichloroethane (see DDT)			
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
tanks, same basis	lb.	.15	- —
Diethanolamine,[6] dms., c.l., frt. alld. in E.	lb.	.23½-	—
l.c.l., same basis	lb.	.24¼-	—
tanks, same basis	lb.	.13	- —



MONTROSE *Chemical Company*
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Dividend— 650 GALLONS

— returned through
TRI-SURE FULL DRAINAGE
in average
10,000-drum shipment

The T Square Test shows the flush fitting of the Tri-Sure Flange which guarantees full drainage.

THE result of recent tests of closures by an independent oil company showed that Tri-Sure Closure fitted drums drained an average of 8.34 ounces more than the others. Figured on the scale of a 10,000 — 55-gallon drum shipment, the consumer will recover 650 gallons or over which otherwise would have remained in the drums.

The flush fitting of Tri-Sure flanges assures complete drainage and you receive all you pay for.

Mark your orders, "Drums to be fitted with Tri-Sure Closures."

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .80 - —
Oxalate, dms., c.l., divd.....lb. .30½- —
l.c.l., divd.....lb. .31 - —
Phthalate,[6] dms., c.l., divd..lb. .21½- —
l.c.l., divd.....lb. .22 - —
tanks, divd.....lb. .20½- —
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Diethyleneglycol monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .13½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural, afloat, bgs., lb. .09 - .09½
decorticated, bgs.....lb. .13 - .13½
dewhiskered, bgs.....lb. .09½- .09¾
Dimethyl phthalate, dms., c.l., divd..lb. .20 - —
l.c.l., divd.....lb. .20½- —
tanks, divd.....lb. .19 - —
Dimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l.....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .25 - .28
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotolylguanidin, dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., divd. E..gal. .55 - .56
tanks, divd. E.....gal. .46 - —
steam-dist., dms., divd. E..gal. .56 - .58
tanks, divd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .18 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .46
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .34 - .37
Divi-divi,[1,5] 42% tannin, c.l., U.S. ports, ex dock..ton. 71.00 -72.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks

Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—

Blue, FD&C, No. 1, cns.....lb. 13.00 - —
Green, FD&C, No. 1, cns.....lb. 13.00 - —
No. 2, cns.....lb. 17.00 - —
No. 3, cns.....lb. 27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb. 17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —

Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—

Black, D&C, No. 1, cns.....lb. 8.85 - —
Blue, D&C, No. 4, cns.....lb. 12.35 - —
Brown, D&C, No. 1, cns....lb. 12.35 - —
Green, D&C, No. 5, cns.....lb. 12.35 - —
No. 6, cns.....lb. 12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb. 15.35 - —
No. 10, cns.....lb. 15.35 - —
Red, D&C, No. 8, cns.....lb. 2.35 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb. 15.35 - —
Yellow, D&C, No. 7, cns.....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb. 10.35 - —
No. 19, cns.....lb. 15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 23, cns.....lb. 15.35 - —
No. 27, cns.....lb. 12.35 - —

Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—

Blue, Ext. D&C, No. 1, cns..lb. 12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.35 - —
Red, Ext. D&C, No. 1 cns...lb. 10.35 - —
No. 3, cns.....lb. 21.35 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb. 12.35 - —
No. 13, cns.....lb. 12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—

86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R. paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .80 - .85
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .85 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .68 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
686 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
665 Nigrosin derivatives....lb. .36 - .44
Blue—
7075 Alizarin astral base...lb. 15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine E (oil pink). lb. 2.50 - —
1050 Anthraquinone violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.65 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .65 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
632 Bismarck brown R...lb. .47 - .62
703 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonapthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y.....lb. .31 - .35
161 Orange R.....lb. .54 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .69 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow—
10 Naphthol yellow S...lb. .80 - —
138 Metanil yellow.....lb. .56 - .60
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.97 - —

Heavy-duty ICC Drums and Bilge Barrels
★
Light-gage Shippers, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums
★
Lightweight Drums for Chemical and Powdered Materials
★
Painted Various Colors or Decorated

For an attractive, safe container use J&L Steel Barrels

When sending your product to your customers, use the container that will get it there safely and present an attractive appearance all the time it is in use. Use J&L steel barrels for grease, oils, alcohols, paints, and other liquids and semi-solids.

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U.S.I. CHEMICAL NEWS

APRIL ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1946

Vanillic Acid Esters Are New Preservatives

Tests conducted recently indicate that esters of vanillic acid are potent agents against microorganisms — particularly molds and heat-resistant bacteria. Since these compounds are claimed to be nontoxic as well, it is likely that they will be used as preservatives for perishable foodstuffs shipped or stored without benefit of refrigeration. At present, sodium benzoate is the only preservative used for this purpose.

Laboratory studies have shown that, in general, the anti-microbial efficiency increases with increasing weight up to the butyl ester, and then decreases. Actual food preservation studies demonstrate the efficiency of vanillic acid esters in preserving salt fish, fresh fruit juices, vegetable juices, cheese spreads and bread.

The esters were produced by dissolving vanillic acid in the desired anhydrous alcohol, then either saturating the solution with dry hydrogen chloride, or adding sulphuric acid and boiling for a short time under reflux. The esters are substantially odorless and tasteless. The discovery is reported in a technical paper published recently.

Tall Oil Constituents Separated by New Method

An improved process for separating tall oil into its main constituents — fatty and resinic acids — is claimed in a recent patent. Tall oil, or "talloel," which is Swedish for pine oil, is the chief by-product in the production of paper pulp from resin-bearing woods by the so-called "sulphate process."

According to the separation method described in the patent, the tall oil is first treated with esterifying agents, preferably monohydric alcohols. The esterified oil is then dissolved in a suitable solvent which retains the resinic acids, or derivatives, in solution at low temperatures. The solution is chilled, and the fatty acid esters separate out. Some of the solvents employed are: acetone, ethyl methyl ketone, and ethylene dichloride.

THE MONTH IN CHEMURGY

A new product from sugar will help make resins, plastics, and food products... Bamboo is used as a raw material in the manufacture of rayon . . . An improved "milk" is made from soybeans . . . Oil bearing seeds are seen as a new source for proteins . . . A modified cotton fabric will not mildew or rot . . . A chewing gum base is prepared with the aid of sunflower, peanut, and oiticia seeds . . . A new book on chemurgy is published . . . Food yeast is produced from the waste liquor in the process of pulping beech wood . . . A new company is formed to produce glucose from wheat . . . An inexpensive type of buckwheat will supply large quantities of a drug helpful to those afflicted with high blood pressure . . . Peanut butter can now be made in orange, vanilla or chocolate flavored bricks which can be sliced and laid on bread like cheese.

Wool Shrinkage Eliminated By New Chemical Treatment

Wool can now be stabilized against laundry shrinkage, according to the claims made in a patent issued recently. Shrinkproofness is accomplished by a chemical process which involves the use of a defelting agent and a synthetic resin-forming material.

In the first step of this process, the wool is treated with a solution of potassium hydroxide in ethyl alcohol in order to reduce the felting quality. This treatment is stopped when the wool has lost approximately 16.7% of its initial tensile strength. It is then treated with a synthetic resin-forming material in water dispersion containing not more than 6% solids. The resin-forming material is then cured.

The American Wool Council warns, however, that it will take one or two years of technological development before "washable" woolens will be flooding retail counters.

New Compounds Rival Penicillin and DDT

Two of the most publicized of the wartime chemical developments—penicillin and DDT—are already being equalled or bettered, according to recent announcements. A new insecticide, known as "1068," is said to be several times more toxic to insects than DDT, and a synthetic benzyl derivative is claimed to rival penicillin in therapeutic value.

Arsenic Antidote Found

A new and effective antidote for arsenic poisoning is the result of 20 years work by British scientists. Known as 2,3-dithiopropanol, this new drug is reported to remove the poison from the tissue by forming an arsenic addition compound which the body excretes. It is administered by injection, using peanut oil and benzyl benzoate as the vehicle.

New Quick-Dry Resin Meets Demands for Lowered Oil Content

Aroplaz 1314 Replaces Aroplaz 1306 — Exhibits Many Similar Properties

In response to the current urgent demands for lower oil-content resins, U.S.I. now offers its new alkyd-type resin, Aroplaz 1314. Designed as a replacement for U.S.I.'s highly popular Aroplaz 1306, it contains 12 per cent less oil on the solvent free basis than the older resin, yet exhibits approximately the same superior qualities. Manufacturers will find the resin suited for use in architectural and industrial coatings of the brushing, dipping or spraying types.

Properties

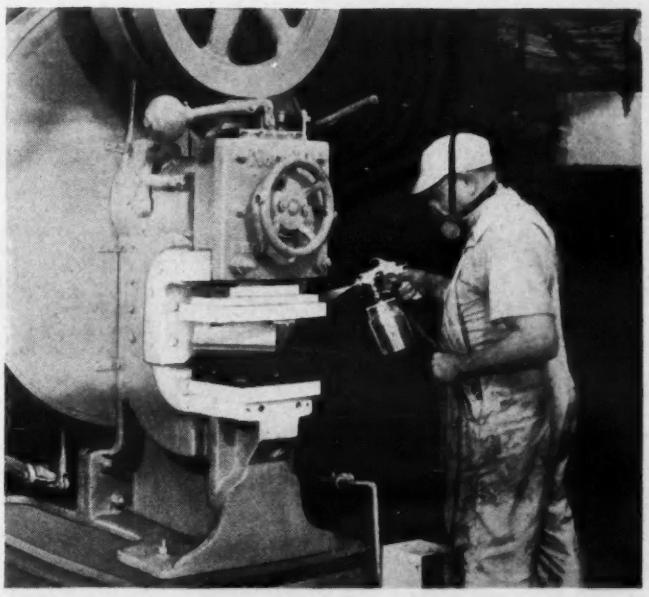
Aroplaz 1314 is a hard resin modified, phthalic-free, oxidizing alkyd-type resin of medium oil length. It is even faster drying than Aroplaz 1306 — air-drying to hard, tack-free finishes overnight, and baking hard in ¾ to 1 hour at 250 degrees F. Finishes prepared with Aroplaz 1314 have moderately good flexibility, and good resistance to water and alkali.

(*Continued on next page*)

Specification for Aroplaz 1314

Solution: 74-76% solids in Mineral Spirits	
Viscosity (G.H.):	**Z-Z$_2$**
Acid Number (solvent free basis):	**9-13**
Color (G.H. 1933)	**8-10**
Weight per gallon at 25°C.:	**7.9-8.0 lbs.**
Oil Content (solvent free basis):	**54%**
Phthalic Anhydride Content:	**None**

Solubility: Complete in petroleum and coal-tar solvents; insoluble in ethyl alcohol. Compatible with many oils, resins and alkyds.



Popular with safety engineers is the new system of painting plant machinery in eye-catching colors that call workers' attention to danger areas and set off moving parts against contrasting backgrounds. Here a punch press is being painted to remove the camouflage of solid drab colors. Aroplaz 1314 and other U.S.I. resins add durability and flexibility to many coatings used in this new and improved safety technique.

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APRIL ★ **U.S.I. CHEMICAL NEWS** ★ 1946

New Alkyd-Type Resin

(Continued from preceding page)

Aroplaz 1314 is pale in color. Coatings made from it not only have good initial color, but exhibit high color-retentive properties as well. White enamels made with this new resin approach the whiteness of enamels based on phthalic-alkyd resins. In gloss and gloss retention, it is superior, in both clear and pigmented films, to many alkyds.

Wide Uses

Manufacturers will find this new resin ideal

Aroplaz 1314 — excellent for interior finishes —is helping to meet the current demand for resins with reduced oil content.

for use in a wide range of air-dry or low-bake industrial finishes — white or colored. It will also prove popular in numerous interior architectural coatings. However, finishes prepared with Aroplaz 1314 have only moderately good exterior durability. This property, though, can be improved by the addition of relatively small quantities of bodied oils.

Highly Acidic Fatty Oils Purified by New Process

The purification of fatty oils containing strong acids is described in a recent French patent. According to the claims made, the acidic oils are first neutralized with the equivalent amount of alkali, producing a mixture of oils and soap. The oils are separated from the soap by extraction with a soap solvent such as acetone, ethyl alcohol, methanol, or their mixtures. Separation of the soap solution is effected by mechanical means.

Ultrasonic Energy Now Available for Research

Ultrasonics—the region of sound frequencies higher than our ear can hear—is opening one of the newest and most interesting research fields. This new force has been engineered into a single compact laboratory instrument which is solving research problems in chemical, metallurgical, biological, and medical laboratories, according to the manufacturer's announcement.

About the size of a good-sized radio, this instrument operates on any 110 volt, 50-60 cycle line, and produces over 500 volts of high frequency energy. Highly accurate ground quartz crystals control the frequency of the oscillations produced. Four frequencies are possible—100, 400, 700 and 1000 kilocycles per second.

Among the interesting effects reported to be produced by this instrument are: the production of hydrogen peroxide from water, the oxidation of potassium iodide to free iodine, the emulsification of mercury and water, the destruction of pathogenic bacteria, the decrease in germination time of seeds, and the sterilization of milk and other liquids.

Quick-Curing Neoprene

Neoprene compounds can be quickly cured at low temperatures by adding from 0.1 to 35 parts of sulphur chloride, according to the claims made in a recently-issued patent. The addition of small amounts of ethyl alcohol, amyl alcohol, or a ketone, such as acetone is said to prevent gelation.

Invention of New Plastics Claimed in British Patent

The preparation of a new series of plastic compounds is described in a recently-issued British patent. These compounds are produced when a linear-polyamide-forming substance, such as a hexamethylene-diammonium salt of adipic acid, is reacted with a formaldehyde condensation product in the presence of butyl alcohol. The condensation product is the result of the reaction of formaldehyde with one or more of the following substances: urea, thioureas, guadidine, substituted guanidines, aminotriazines, and substituted aminotriazines. The plastics are said to be useful in the manufacture of decorative or protective film-forming compounds.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

To extend the life of concrete and terrazo floors, a special liquid is offered for application. It is claimed to give protection against the effects of alternate freezing and thawing, as well as the disintegration resulting from concrete dust. **(No. 053)**

U S I

A colorless waterproofing liquid is claimed to provide moisture protection for stone, brick, and stucco exteriors. The product is described as becoming invisible on drying. **(No. 054)**

U S I

An acid-resistant wood, said to withstand the attacks of moisture, decay, and insects, has been announced. It is claimed to weigh more and to be harder than ordinary wood. **(No. 055)**

U S I

A new moth proofer, claimed to be non-toxic and non-inflammable, is reported to impregnate wool fabric evenly and quickly. It is stated to be unaffected by dry cleaning or exposure to the air. **(No. 056)**

U S I

To dye nylon, a dye carrying penetrant is offered which is said to produce exceptional evenness of color, and to simplify and improve the dyeing process. **(No. 057)**

U S I

To remove rust, a new compound, claimed to be relatively non-corrosive to steel even after long exposure, is offered for application by brush, spray, or dip methods. **(No. 058)**

U S I

A new textile softener now makes it possible to control almost completely the smoothness and suppleness of all types of fabrics regardless of what other types of chemical treatment they receive, according to the claims made by the manufacturer. **(No. 059)**

U S I

A new stainproof wall covering is reported to have withstood severe wear and tear in numerous public places such as government office buildings, restaurants, theatres, and hotels, according to claims made. Heretofore indelible stains, such as lipstick, hot grease, crayon, and ink may be easily washed off. **(No. 060)**

U S I

A new universal slide rule, made of plastic, is described as having razor-sharp graduations resulting in extreme accuracy. The new 10-inch rule is claimed to be easy to read and to operate. **(No. 061)**

U S I

A new-type grinding mill is reported to speed up the manufacture of fine dispersions (of particle sizes of one micron or less). The machine is described as containing very few wearing parts. **(No. 062)**

U S I

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Fusel Oil—Refined

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*Specially Denatured—all regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P., 96%, Absolute
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate

OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Alpha-acetylbutyrolactone
5-Chloro-2-pentanone
5-Diethylamino-2-pentanone
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Alpha-Oxalpropionate
Ethyl Sodium Oxalacetate
Methyl Cyclopropyl Ketone

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

FEED CONCENTRATES
*Curbay B-G
*Curbay Special Liquid
*Vacatone 40

ACETONE
Chemically Pure

RESINS
Ester Gums—all types
Congo Gums—raw, fused & esterified
*Aroplaz—alkyds and allied materials
*Arotene—pure phenolics
*Arochem—modified types
Natural Resins—all standard grades

OTHER PRODUCTS
Collodions
Ethylene Glycol
Nitrocellulose Solutions
Ethylene
Urethan

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Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base.lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .90 - —
Red—
677 Fuchsin, magenta, base. lb. 7.35 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet—
680 Methyl violet base...lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.04 - 1.10
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elecampane root, bls.....lb. .50 - .55
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .53 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochlorides, bots..oz.53.50 -56.50
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
Synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots, 100 oz...oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l. 100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati Cleveland, Houston, New Orleans, New York.
Ergot, USP, cns.....lb. 1.65 - 1.70
Eserine, bots.....oz. No prices
Sulphate, 1-gram, vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs. lb. .96 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .09 - —
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .1050- .1200
l.c.l., frt. alld.....lb. .1100- .1250
tanks, frt. alld.....lb. .0950- .1100
96-99%, dms., c.l., frt. alld.lb. .1075- .1275
l.c.l., frt. alld.....lb. .1125- .1225
tanks, frt. alld.....lb. .0975- .1175
NF, dms.....lb. .14½- .15¼
Acetoacetate, dms., c.l., works. lb. .27½- —
l.c.l., frt. alld.....lb. .28 - —
Benzoate, bots.....lb. .50 - .52
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .55 - —
Chloride, tech. ,dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .27
Cinnamate, cns.....lb. 2.65 - 3.00
Formate, dms., Agnus, Calif., lb. .20 - .22
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .22½- .30¼
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works...lb. .47 - —
Oxalate, dms., frt. alld.....lb. .23 - —
Silicate, dms., l.c.l., works..lb. .77 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0342- —
West of Rockies..lb. .0691- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0691- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0749- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethyleneglycol, dms., c.l., frt alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15¼- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., wks. lb. .16¼- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots.....lb. 5.50 - 5.60
Eucalyptol, cns.. dms.....lb. 2.85 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, cns dms.....lb. 2.65 - 2.70
Euphorbia, bls.....lb. .13 - .14

F

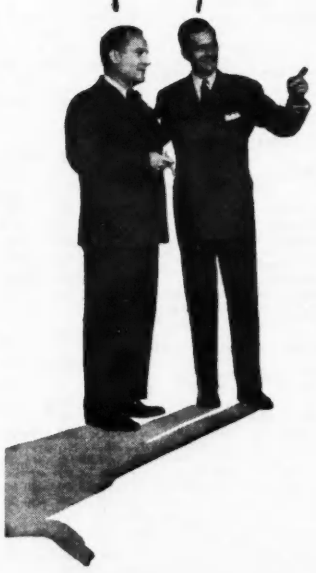
Feldspar,[1] enamel, 100 mesh, ton.17.00 -30.50
bulk, c.l.....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs...lb. .27 - .27½
Indian, bgs.....lb. .16½ Nom.
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs.....lb. .10 - .10½
Morocco, bgs.....lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .18
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns....gal.18.50 -20.00
Oregon, bbls.....gal. 2.50 - 2.60
Fishberries, bgs.....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, bgs., E. works, ton.78.50 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.66.50 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, dom., French-type, bgs. lb. .62 - .64
French, black, bgs.....lb. No stocks
Indian, blonde, bgs.....lb. .19 - .20
Fluorspar,[1] No. 1, ground, 96-98% CaF_2, bulk, c.l., mines, net ton.37.00 - —
Fluorspar, washed, gravel, 76% or more CaF_2, c.l., bulk, mines..ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .55 - .56
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines.. ton. 6.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp. bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works....lb. .15½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs...lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05½- —
Bayonne, 73-75 oct., tanks.gal. .07 - .08
Gulf Coast, 73-75 oct., tanks. gal. .0570- .0625
Group 3, 73-75 oct., tanks.. gal. .05 - .06
Pennsylvania, western, US motor, 74 octane, leaded, tanks..gal. .07 - .07¾
natural, 26/70, Group 3, tanks. gal. .03 - .03½
Gelatin, silver label, ctns., dlvd. lb. .90 - .97
export, cs.....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsenium root, bls.....lb. .40 - .45
Gentian root, bls.....lb. .36 - .38
grd., bbls., bxs.....lb. .38 - .40
powd., bbls., bxs.....lb. .39 - .41
Geraniol, 92-96%, cns., dms...lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger,[1] African, No. 1, bls...lb. .15 - .15½
Calicut Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs.....lb. .15½- .16
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .18½- .19
No. 3, bgs.....lb. .16½- .16¾
Rhattoon, bgs.....lb. .15¾- .16¼

"Just look at the locations of those six Bemis Multiwall plants!"

"Yes, that's another reason IT PAYS TO BE A BEMIS MULTIWALL PAPER SHIPPING SACK CUSTOMER!"



The strategic locations of the six Bemis Multiwall plants mean quick service to all sections of the country. • And that's not all . . . working as a team, these plants support each other in filling the needs of Bemis customers. In emergencies, the plant with which an order is placed can depend on five other Bemis plants for assistance in meeting scheduled shipping dates. Such advantages are why folks say: • "It pays to be a Bemis Multiwall Paper Shipping Sack Customer."

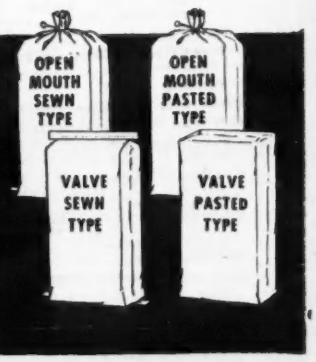
Bemis Multiwall Paper Shipping Sacks

6 PLANTS

Peoria, Ill. · East Pepperell, Mass. · Mobile, Ala. · San Francisco, Calif. · Wilmington, Calif. · St. Helens, Ore.

BEMIS BRO. BAG CO.

OFFICES: Baltimore · Boston · Brooklyn · Buffalo · Charlotte · Chicago · Denver · Detroit · East Pepperell · Houston · Indianapolis · Kansas City · Los Angeles · Louisville · Memphis · Minneapolis · Mobile · New Orleans · New York City · Norfolk · Oklahoma City · Omaha · Orlando · Peoria · St. Helens, Ore. · St. Louis · Salina · Salt Lake City · San Francisco · Seattle · Wichita · Wilmington, Calif.



Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works.... 100 lbs. 1.65 - 1.45

Glue, bone, calcium type, 94 millipoise, 50 jellygrams, bgs., c.l., East of Midwest.
lb. .18 - .23
30/36, bgs., c.l., same basis..lb. .18½- .23½
58/62, bgs., c.l., same basis. lb. .17 - .24
82/106, bgs., c.l., same basis. lb. .18½- .23½
Bone glue, l.c.l. prices 1c. higher than c.l.

Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd....lb. .14 - .21½
122-149, bgs., c.l., dlvd.....lb. .15 - .23½
150-177, bgs., c.l., dlvd.....lb. .16 - .25½
178-206, bgs., c.l., dlvd.....lb. .17 - .24½
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-296, bgs., c.l., dlvd.....lb. .20 - .27½
297-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .32½
461-494, bgs., c.l., dlvd.....lb. .26 - .33½
495-529, bgs., c.l., dlvd.....lb. .27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.

Glycerin, crude, saponification, 80%, to refiners, tanks...lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .19½
l.c.l. .....lb. .18 - .19½
tanks .....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .19½
tanks .....lb. .17¼- .18
refined, B.P., 95%, dms., c.l...lb. .18½- —
tanks .....lb. .16½- —
USP, 95%, dms., c.l.....lb. .16½- —
l.c.l. .....lb. .16½- —
tanks .....lb. .16 - —
yellow, distilled, dms., c.l...lb. .17½- —
tanks .....lb. .17½- —

Glycine, USP, bbls., tins.....lb. 1.35 - 1.90
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .28 - —
Gold chloride, acid-brown, bots. os.20.75 -21.00
acid-yellow, bots.....os.16.75 -19.00
Gold-soda chloride, photo., bots.. os.18.00 - —
USP IX, bots.....os.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .80 - .97
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .06 - —
75-80%, bgs., same basis. lb. .06½- —
80-85%, bgs., same basis. lb. .08 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Greases, house,[1,7] loose.....lb. .06¾- —
White, choice, loose.....lb. .06¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thiofavin toner, molybdic, bgs., works..lb. 3.25 - —
tungstic, bgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .22 - —
18% bbls., same basis...lb. .23 - —
20%, bbls., same basis...lb. .25½- —
21-23%, bbls., same basis.lb. .26 - —
24-26%, bbls., same basis.lb. .26½- —
27-29%, bbls., same basis.lb. .27½- —
30-40%, bbls., same basis.lb. .29 - —
41-50%, bbls., same basis.lb. .30½- —
51-60%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-26%, bbls., same basis.lb. .09¼- —
27-29%, bbls., same basis.lb. .09½- —
30-32%, bbls., same basis.lb. .10 - —
33-35%, bbls., same basis.lb. .10¼- —
36-38%, bbls., same basis.lb. .12 - —
39-40%, bbls., same basis.lb. .13 - —
41-45%, bbls., same basis.lb. .14 - —
46-50%, bbls., same basis.lb. .17 - —
51-55%, bbls., same basis.lb. .17½- —
56-60%, bbls., same basis.lb. .18 - —
61-65%, bbls., same basis.lb. .18½- —
70%, bbls., same basis...lb. .19 - —
71-75%, bbls., same basis.lb. .20 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide, pure, dms., whs..lb. .24 - —
Malachite, thiofavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide, bbls., works....lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .28 - .30
Wood, bls.....lb. .95 - .96
Guaiacol, liquid, N.F., bots., cbys..lb. 1.60 - 1.86
Carbonate, dms.....lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
l.c.l., works.....lb. .68 - 7.75
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .12 - .12½
white, sorts, 1. bgs.....lb. .23 - .30
Asafetida (see A).
Asphaltum (see A).
Gum, benzoin, artificial, cns...lb. 1.75 - 2.55
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).
East India,[1] Batu, bold, scraped, c.l., same basis..lb. .10¼- —
unscraped, same basis..lb. .09 - —
chips, same basis...lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis..lb. .05¾- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .10¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .23¾- —
chips, same basis....lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .10¾- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07¾- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bekts., c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .13 - —
ONE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09¼- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
WB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
white split chips, bgs., c.l., same basis..lb. .15¼- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l...lb. .06¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15¼- —
extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis..lb. .12¾- —
seeds, dust same basis....lb. .06¾- —
SG, same basis.....lb. .10¼- —
small chips, same basis..lb. .11¾- —
c.l., same basis.....lb. .23¾- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis. lb. .19¼- —
nubs, same basis.....lb. .16 - —
Gum copal, l.c.l., prices ½c. to ½c. higher
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .25¾- —
A/C, same basis.....lb. .21½- —
A/D, same basis.....lb. .20¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .24¾- —
C, same basis.....lb. .25¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .19¾- —
F, same basis.....lb. .19¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, c.s., c.l.lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .13¾- —
chips, cs., same basis....lb. .25½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17½- —
Gum, dammar, l.c.l., prices ½c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester,[1] gum-rosin, type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va...lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1650- .1675
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .48
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .13 - —
dust, same basis.....lb. .12¾- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .29 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .26 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis..lb. .25 - —
bold, same basis.....lb. .49 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .22 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
dust, pale, same basis...lb. .20¾- —
extra, same basis..lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.80 - —
Gum kauri, l.c.l., prices are ½c. to ½c. higher.
Locust bean, powd., bbls.....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99¼
Scammony, cs.....lb. 1.80 - 1.85
Talba, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.75 - 3.80
No. 2, cs.....lb. 2.70 - 2.75
No. 3, cs.....lb. 2.10 - 2.15
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .05 - —
powdered .....lb .07¼- —

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.20.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Piasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard ,Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton.15.90 - —
New Brighton, N. Y.: same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 2, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C, dms., c.l., Group 3. gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .25
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 2. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 2..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .25
Hexanol, normal, dms., l.c.l., works..lb. .35 - —
Homatropine hydrobromide, bots. os.16.00 -26.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .50 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....os.20.00 -25.00
Hydrochloride, bots.....os.20.00 -22.00
Sulphate, bots.....os.20.00 -22.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .08¾- .24
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..os.80.00 -45.00
Hyoscyamine, bots.....os.16.00 -20.00
Hydrobromide, bots.....os.16.00 -20.00
Sulphate, bots.....os.16.00 -20.00
Hyperic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .20 - —
Hyssop, bgs.....lb. .75 - 1.00

I

Iceland moss, bgs.....lb. .50 - .53
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.80
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.07 - —
150-lb. kgs.....lb. 1.23½- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.85 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.00
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime, bleached, bls.....lb. .30 - .35
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.97 - 5.25
l.c.l., works.....100 lbs. 5.50 - 6.25
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 2.46 - 2.52
Hypophosphite, bbls., dms...lb. 1.50 - 1.53
Iodide, bots.....lb. 3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red., tech., dms....lb. .06½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns.....lb. .52 - —
bgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 96%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .32 - .36
scale, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .32¼- —
dms., kgs.....lb. .30½- .32¼
Iron-soda oxalate, bbls., dms..lb. .23½- .24¼
Isobornyl acetate, cns., works.lb. .80 - .95
Thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, dms., works.lb. No prices
Propionate, dms., works....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .54
Isophorone, dms., c.l., works..lb. .31 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l. E. of Rockies, same basis..lb. .11½- .12
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., dlvd.....lb. .04 - —
l.c.l.....lb. .06½- —
tanks, dlvd.....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .34 - .36
powd., bbls., bxs.....lb. .40 - .42
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .40 - .70
Juniper tar, USP, dms.....lb. .85 - 1.00

K

Kamala, cns.....lb. .53 - .55
Kaolin (see China clay).
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery: Ark., 43-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43 w.w., tanks.. gal. .061 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04½- .05
Okla-Tex., 41-43 w.w., tanks, gal. .04875- —
Penn., 43 w.w., tanks....gal. .0665- .0705
47 w.w., tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .11 - .12
Kyanite,[1] imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.85 - 1.40
Lanolin (see Adeps lanae).
Lard,[1,7] pure, ref., trcs., c.l...lb. 15473- —
prime steam, trcs., c.l.....lb. .1478- —
Larkspur seed, bgs.....lb. .82 - .85
Laurel berries, bls.....lb. .25 - .30
Leaves, Cyprus, bls.....lb. .23½- .25¾
Greek, bls.....lb. No stocks
Portuguese, fair, bls.....lb. .13½- .14
good, bls.....lb. .12½- .13
Turkish, bls.....lb. .17 - .17¾
Lavender flowers, medium, bls.lb. .75 - .80
ordinary, bls.....lb. .35 - .42
select, bls.....lb. .90 - .96
Lead, acetate,[1] white, broken, bbls..lb. .12¾- —
cryst., bbls.....lb. .12¾- —
gran., powd., bbls.....lb. .12¾- —
Arsenate,[1,9] basic powder, 8-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l. .....lb. .12 - .13¾
1-lb. ctns. c.l.....lb. .13½- .23¾
l.c.l. .....lb. .19 - .23
standard paste, cns. c.l..lb. .05¾- .06
l.c.l. .....lb. .06 - .06¾
powder, 8-lb. bgs. or larger, c.l..lb. .11 - .11¾
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20¾
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l. .....lb. .18½- .22¾
¼-lb. ctns., c.l.....lb. .21 - .23
l.c.l. .....lb. .21½- .25½
Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt alld. to dest. in lots of 50 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Glue, basic sulphate, bbls., c.l., dlvd E. lb. .07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l. dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V. bots.....lb. 2.80 - —
jars .....lb. 2.60 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal,[1,9] (see Protective Coatings Materials market)
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30%, Pb lb. 14½- .17¼
Nitrate, bbls.....lb. .12½- —
Stearate, bbls.....lb. .17½- —
Peroxide, powd., tech., bbls.lb. .22 - .23

...Full control—perfect co-ordination—without each man on his toes it would have been difficult for an old-time sailing vessel to weather a storm rounding the *Horn*.

...The mariners who brought our ships through the deadly waters south of *Tierra del Fuego* had an easy time of it when their efforts are compared to the crew's work in a modern pharmaceutical laboratory.

During the past century, distributors of private formula brands have entrusted their production to Strong Cobb & Company, Inc.—with absolute assurance that our rigid laboratory control would turn out products conforming to the most exacting specifications.

Trained staffs select samples at each stage of the manufacturing process—from raw materials to final product—making sure that formulae become reality. Through the entire process, our scientists check and recheck and the product always conforms to your specifications as to active ingredients, pH, moisture, color, weight, taste, odor, and other important characteristics.

After careful study of your formula and product our pharmaceutical staff will offer suggestions concerning potencies, choice of vehicles, excipients, disintegrating materials, etc.

Whether you are considering immediate or future production, our technical sales director will be pleased to talk over your manufacturing problems with you.

Strong Cobb & Company, Inc.

CLEVELAND 4, OHIO

ARMY E NAVY

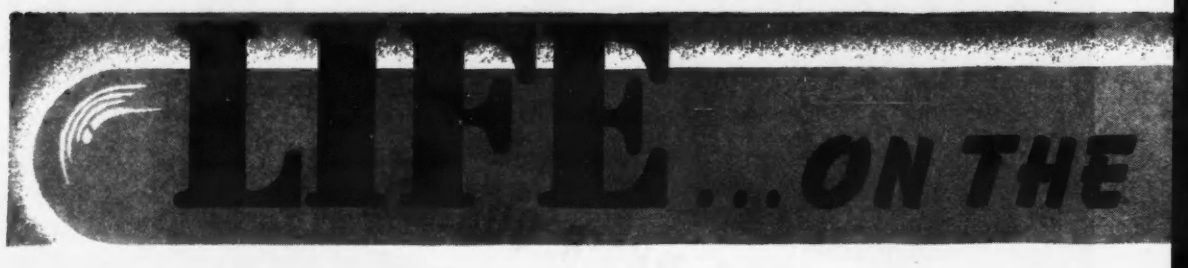
SUBSIDIARY OF STANDARD BRANDS INCORPORATED

MANUFACTURING CHEMISTS SINCE 1833

Lead, red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Minn., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.08½	—
other points	lb.	.09	-
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09½	-
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore and Wash.	lb.	.10½	-
Colo., Mont., N. Mex., Wyo.	lb.	.10	-
other points	lb.	.09½	-
smaller lots, Ala., etc.	lb.	.10¼	-
Ariz., etc.	lb.	.10½	-
Colo., etc.	lb.	.10½	-
other points	lb.	.10	-
in oil, bgs.	lb.	.14	-
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½	-
other points	lb.	.09½	-
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10	-
Ariz., etc.	lb.	.10½	-
Colo., etc.	lb.	.10½	-
other points	lb.	.09½	-
smaller lots, dlvd. Ala.,	lb.	.10¼	-
Ariz., etc.	lb.	.11	-
Colo., etc.	lb.	.10¼	-
other points	lb.	.10½	-
92% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.	lb.	.09½	-
other points	lb.	.09½	-
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10½	-
Ariz., etc.	lb.	.10¾	-
Colo., etc.	lb.	.10½	-
other points	lb.	.10	-
smaller lots, dlvd. Ala., etc.	lb.	.10½	-
Ariz., etc.	lb.	.11¼	-
Colo., etc.	lb.	.11	-
other points	lb.	.10½	-
Resinate, precip 32.8% Pb., dms.	lb.	.17½	-
Silicate, bgs.	lb.	.0750	.0760
Soyate, 26.18% Pb., dms.	lb.	.22¼	-
Stearate, bbls.	lb.	.81	- .88
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, 10% Pb. dms.	lb.	.09½	-
Titanate, bgs., bbls., c.l., l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11½	-
Pac. Cst., ex whse.	lb.	.11½	-
smaller lots, E. frt. alld.	lb.	.11¾	-
Pac. Cst., ex whse.	lb.	.11¾	-
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08¼	-
dlvd. other points	lb.	.08¼	-
l.c.l., dlvd. Ariz., etc.	lb.	.08½	-
other points	lb.	.08¾	-
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07¼	-
other points	lb.	.07¾	-
l.c.l., dlvd. Ariz., etc.	lb.	.08	-
in oil, consumers, kgs.	lb.	.12¼	.13¾
painters, kgs.	lb.	.12¾	.13¾
Lecithin, edible, dms., c.l.	lb.	.26¼	-
l.c.l.	lb.	.26½	.40
in cocoa butter, dms., c.l.	lb.	.32½	-
l.c.l.	lb.	.40¾	.60
tech., dms., c.l.	lb.	.25¼	-
l.c.l.	lb.	.26½	.45
vegetable, pure, bots, 100 lbs.	lb.	2.75	-
Lemon peel, bls.	lb.	.30	- .35
Licorice extract, mass, cns.	lb.	.56	- .72
powd., bbls.	lb.	.60	- .66
Root, Indian, bls.	lb.	.12	- .14
powder, bbls.	lb.	.18	- .20
Russian, bls.	lb.	.12	- .18
Spanish, bls.	lb.	.12	- .13
Turkish, bls.	lb.	.12	- .13
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04	-
Lime, chemical (quicklime) lumps, pebble, Adams, Mass.	ton.	8.00	-
Annville, Pa.	ton.	7.50	-
Bellefonte, Pa.	ton.	7.50	-
Berkeley, W. Va.	ton.	7.50	-
Buffalo, N. Y.	ton.	9.25	-
Carey, Ohio	ton.	7.00	-
Cedar Hollow, Pa.	ton.	8.50	-
Crab Orchard, Tenn.	ton.	6.90	-
Eagle Mountain, Va.	ton.	7.65	-
Farnams, Mass.	ton.	8.00	-
Gibsonburg, Ohio	ton.	7.50	-
Hannibal, Mo.	ton.	6.50	-
Keystone, Ala.	ton.	6.90	-
Knoxville, Tenn.	ton.	6.90	-
Limedale, Ark.	ton.	7.00	-
Longview, Ala.	ton.	6.90	-
Manistique, Mich.	ton.	8.00	-
Marblehead, Ohio	ton.	7.50	-
Martinsburg, W. Va.	ton.	7.50	-
Menominee, Mich.	ton.	8.00	-
Mitchell, Ind.	ton.	6.50	-
Newala, Ala.	ton.	6.90	-
Ripplemead, Va.	ton.	7.65	-
Riverton, Va.	ton.	7.65	-
Rockland, Maine	ton.	8.00	-
Scioto, Ohio	ton.	6.50	-
Sherwood, Texas	ton.	6.90	-
Sherwood, Wisc.	ton.	8.50	-
Springfield, Mo.	ton.	7.00	-
Woodville, Ohio	ton.	7.50	-
York, Pa.	ton.	7.50	-
Hydrated, Adams, Mass.	ton.	9.00	-
Annville, Pa.	ton.	9.00	-
Bellefonte, Pa.	ton.	9.00	-
Berkeley, W. Va.	ton.	9.00	-
Buffalo, N. Y.	ton.	9.50	-
Carey, Ohio	ton.	8.50	-
Cedar Hollow, Pa.	ton.	10.00	-
Crab Orchard, Tenn.	ton.	9.65	-
Eagle Mountain, Va.	ton.	9.15	-
Farnams, Mass.	ton.	9.00	-
Gibsonburg, Ohio	ton.	8.50	-
Hannibal, Mo.	ton.	8.50	-
Keystone, Ala.	ton.	10.65	-
Knoxville, Tenn.	ton.	9.65	-
LeRoy, Minn.	ton.	10.00	-
Limedale, Ark.	ton.	9.00	-
Longview, Ala.	ton.	9.65	-
Manistique, Mich.	ton.	9.50	-
Marblehead, Ohio	ton.	9.50	-
Martinsburg, W. Va.	ton.	9.00	-
Menominee, Mich.	ton.		
Mitchell, Ind.	ton.	9.00	-
Newala, Ala.	ton.	9.65	-
Petoskey, Mich.	ton.	9.00	-
Port Island, Mich.	ton.	9.00	-
Rapid City, S. Dak.	ton.	12.00	-
Ripplemead, Va.	ton.	9.15	-
Rockland, Maine	ton.	9.00	-
Scioto, Ohio	ton.	8.00	-
Sherwood, Tenn.	ton.	10.65	-
Sherwood, Wisc.	ton.	10.00	-
Springfield, Mo.	ton.	9.00	-
Woodville, Ohio	ton.	8.50	-
York, Pa.	ton.	9.00	-
Lime, spray, paper bgs., Adams, Mass.	ton.	10.00	-
Annville, Pa.	ton.	10.00	-
Bellefonte, Pa.	ton.	10.00	-
Carey, Ohio	ton.	11.00	-
Farnams, Mass.	ton.	9.50	-
Gibsonburg, Ohio	ton.	10.00	-
Marblehead, Ohio	ton.	10.00	-
Rockland, Maine	ton.	10.00	-
Scioto, Ohio	ton.	10.00	-
Woodville, Ohio	ton.	10.00	-
York, Pa.	ton.	10.00	-
Lime salts (see Calcium).			
Lime-ammonia-nitrogen[9] 20.5% N (see Ammonia nitrate-lime-stone).			
Limonene	lb.	7.75	1.80
Linalyl acetate, ex bois de rose, bots.	lb.	8.50	-
ex lignaloe wood, bots.	lb.	7.75	- 8.40
ex petitgrain, bots.	lb.	3.90	- 4.10
Linden flowers with leaves, bls.	lb.	.65	- .70
Linseed meal,[1,7] 34% bulk	ton.	45.00	-
32% bulk, c.l.	ton.	42.00	-
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.06¼	-
other points	lb.	.06	-
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	06¾	-
Litharge, com'l, powd., bbls., l.c.l., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.06¼	-
Colo., Mont., N. Mex., Wyo.	lb.	.06	-
other points	lb.	.06½	-
smaller lots, dlvd. Ala., etc.	lb.	.06¾	-
Ariz., etc.	lb.	.06¾	-
Colo., etc.	lb.	.06½	-
other points	lb.	.06	-
Lithium carbonate, NF, bots., kgs.	lb.	1.25	- 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90	-
smaller lots, works	lb.	1.92	- 1.98
Chloride, jars	lb.	1.65	- 1.70
Citrate, bbls., dms., kgs.	lb.	1.40	- 1.41
Fluoride, bbls.	lb.	2.45	- 2.66
Hydroxide, jars	lb.	1.25	- 1.46
Iodide, bots.	lb.	5.20	-
jars	lb.	5.05	-
Stearate, fib. drms., 5 tons, works	lb.	.60	-
Lithopone,[1] ordinary, bgs., c.l. (20 tons)	lb.	.04½	-
l.c.l.	lb.	.04½	-
bbls., c.l.	lb.	.04½	-
l.c.l.	lb.	.04¾	-
titanates, (high-strength), bgs., c.l.	lb.	.0560	-
smaller lots	lb.	.0585	-
bbls., c.l.	lb.	.0585	-
smaller lots	lb.	.0610	-
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ¼c. higher.			
Liverwort leaves, bls.	lb.	.65	- .70
Lobelia herb, bls.	lb.	1.10	- 1.15
Lobeline sulphate, bots., wks.	oz.	26.00	-28.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.24	-
No. 2, bbls., l.c.l.	lb.	.22	-
liquid, No. 1, bbls., c.l.	lb.	.17	-
No. 2, bbls., l.c.l.	lb.	.16	-
No. 3, bbls., l.c.l.	lb.	.15½	-
No. 4, bbls., l.c.l.	lb.	.15	-
solid, No. 1, bgs., l.c.l.	lb.	.28	-
No. 2, bxs., l.c.l.	lb.	.26	-
bbls., c.l., Zone 1	lb.	.09½	-
No. 4, bxs., l.c.l.	lb.	.23	-
No. 3, bxs., l.c.l.	lb.	.23½	-
No. 5, bxs., l.c.l.	lb.	.21½	-
No. 6, bxs., l.c.l.	lb.	.89½	- .44½
Lovage root, American (ligusticum actae folium), bls.	lb.	1.30	- 1.50
Lupulin, NF, tin	lb.	12.75	-13.00
Lycopodium, USP, cs.	lb.	1.75	- 2.00

M

Mace,[1,7] Amboyna, cs.	lb.	.77	Nom.
Banda, cs.	lb.	.80	Nom.
West Indian, bgs.	lb.	.62	Nom.
No. 1, bgs.	lb.	.60	Nom.
broken, bgs.	lb.	.55	Nom.
Madder, Dutch, bbls.	lb.	.24	- .30
Magnesia arsenate,[1] dms.	lb.	.153	- .16
Calcined, tech., USP, bbls., works	lb.	.26	-
Carbonate, tech., bgs., c.l., l.c.l., Zone 1	lb.	.07¼	-
bbls., c.l., Zone 1	lb.	.07½	-
l.c.l., Zone 1	lb.	.08½	-
kgs., c.l., Zone 1	lb.	.09¾	-
l.c.l., Zone 1	lb.	.09¾	-

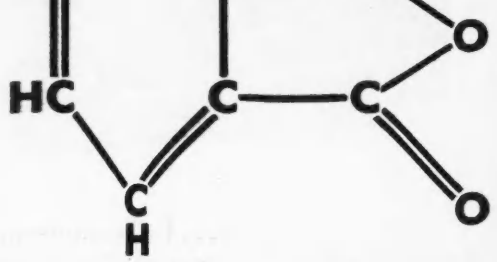


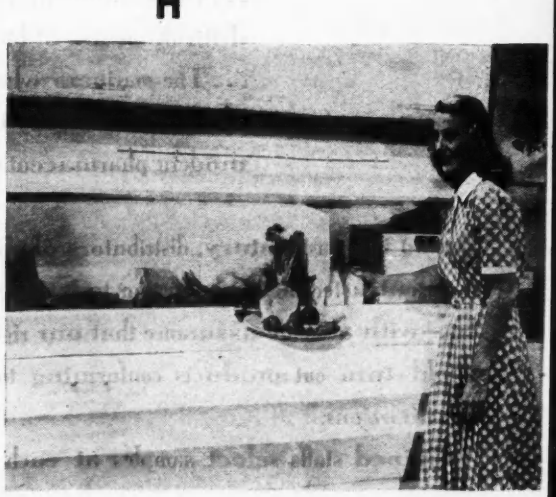
PHTHALIC ANHYDRIDE MEETS BROADENING DEMAND. The high degree of purity and low cost of this extremely useful dibasic acid anhydride is a tribute to modern science and engineering. Cyanamid pioneered in the development of Phthalic Anhydride and operates the largest producing unit in America. Cyanamid's AERO** Phthalic Anhydride is used in the manufacture of dyes, pharmaceuticals, rubber plasticizers, and phthalic alkyd resins for surface coatings.

Molecular Weight	148.11
Phthalic Anhydride, Min	99.7%
Ash, Max	0.005%
Water Insolubles, Max	0.002%
Solidification Point, Min	130.1 C.

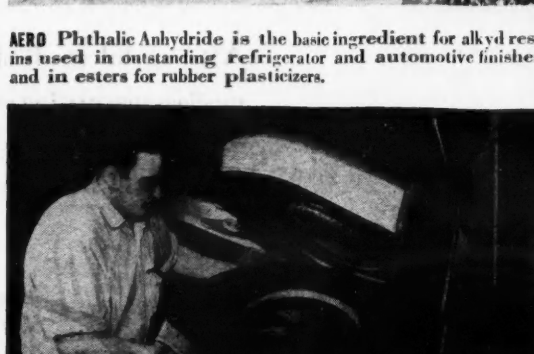
Appearance: Pure White, free-flowing flakes
Odor: Very mild and characteristic

Address your inquiries to Protective Coating Products, Dept. 19, American Cyanamid & Chemical Corporation.





AERO Phthalic Anhydride is the basic ingredient for alkyd resins used in outstanding refrigerator and automotive finishes and in esters for rubber plasticizers.



Magnesia carbonate, USP, bgs., c.l., Zone 1..lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09½- —
l.c.l., Zone. 1.....lb. .10½- —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ½c. lower, Zone 2 store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd..lb. .12½- —
flake, bbls., c.l., works...ton.82.00 - —
l.c.l., works.....ton.89.00 -82.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. 60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .35
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.83.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -23.00
Maleic anhydride, dms., c.s....lb. .25 - —
l.c.l. .....lb. .26 - —

Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.50 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .50 - .5.
Mandrake root, bls.....lb. .33 - .3e
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb .12 - .12½
Borate, tech., bbls.....lb. .16 - .1
Carbonate, bbls.....lb. .10 -
Chloride, anhyd., bbls., wks..lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 -
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs..lb 04 -

Manganese sulphate, fertilizer grade, 60%, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05½
Tetrate, 97% Mn, dms.....lb. .09 - —
Mangrove bark,[1,6] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.63.00 - —
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works..lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .35
Chilean, bls.....lb. .11 - .11½
Matico leaves, bls.....lb. .32 - .34
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 5.00 - 5.25
synthetic, tech., cns.....lb. No price
USP, laevo, cns.....lb. No price
racemic, cns.....lb. 4.60 - 4.65
Methyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .75
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.96
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.50 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.85 - —
Iodide, red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.35 - —

Mercury nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 - 1.76
Methyl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in...pkg. 3.00 - —
Gold X+, deep, 23, 3¾x3¾ in., pkg.13.00 - —
Silver, 3¾x3¾ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .62 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 2c. higher.
Synthetic, dms., c.l., Zone 1, frt. alld..gal. .24 - —
2, frt. alld. or dlvd....gal. .24 - —
3, frt. alld.....gal. .25 - —
4, frt. alld.....gal. .28 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .26 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .39 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .08½- —
10 dms., dlvd.....lb. .09½- —
1-9 dms., dlvd.....lb. .10½- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .13½
10 dms.....lb. .13½- .16½
1-9 dms.....lb. .14½- .17½
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .15½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .68 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .62 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .69 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .72 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - .51
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.50 - 2.60
Formate, dms.....lb. .38 - —

CHEMICAL NEWSFRONT

(*Left*) **A FINISH THAT STARTS A NEW TREND IN TEXTILE PROCESSING.** Superior, lasting softness for textiles is imparted by DECERESOL® 1861 Softener, a durable type softener composed of surface active colloids and possessing a high degree of compatability. At optimum concentrations it imparts a superior softening with a soft, silky, but not raggy hand to woolens, cottons, and rayons, as well as to other yarns and threads. DECERESOL 1861 reduces bleeding of direct colors, decreases crocking of napthol colors and inhibits gas-fading tendencies of certain acetate colors. In warm water solutions, ordinary stirring produces good dispersion and stable suspension.

DECERESOL 1861 Softener has a number of other important advantages for textile finishing. It is excellent for yarns, fabrics, and knit goods where maximum elasticity is desired. It will not discolor white goods when specified concentrations are applied, and will not develop odors on goods. It retains its softening properties after repeated washing or dry cleaning of fabrics.

Detailed information as to special properties and methods of application of DECERESOL 1861 will be sent on request.

(*Above*) **BUY-APPEAL CONTAINERS AND CLOSURES—** BEETLE® PLASTIC containers for Charles of the Ritz cream rouge, cake rouge, and eye shadow have distinction, style, beauty, and product identity. Such colorful, practical packages can, and do, help sell cosmetics, beauty preparations, and other items that depend on popular appeal and approval for initial as well as repeat sales. BEETLE plastic is an ideal packaging material for many reasons. It is chemically inert, dimensionally stable, resistant to wear, and abrasion. It can be produced in any standard color, or combination of colors, for mass packaging methods at low cost. Cyanamid's BEETLE plastic has been a success in a host of other fields as well. BEETLE housings for clocks, razors, radios, and other electric mechanisms give needed protection to delicate mechanisms, and add the charm of color, pleasantness of texture, and lastingly beautiful finish to please customers. BEETLE lighting fixtures and reflectors have proved most efficient for scientific lighting.

Complete information on BEETLE, the "Plastic That's All Color in All Colors," is available from Cyanamid's Plastic Division.

*Reg. U. S. Pat. Off. **Trade-mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Methyl iodide, bots.....lb. 4.00 - 4.15
Lacmain, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld.....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld.....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 96-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.10
cns., 5 lbs.....lb. 2.25 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works—lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .25½
tanks, works.....lb. .15 - —

Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines, ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld E..lb. .05½- —
l.c.l., ex whse, or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14¼- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l. .....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .23 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .15 - —
Area 2 .....gal. .15½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,6] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Monoethylamine, dms., c.l., works basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —

Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda
Morphine, bots., 5 ozs.....os.11.10 - —
cns., 25 ozs.....os.10.90 - —
Acetate, bots., 5 ozs.....os. 9.00 - —
cns., 25 ozs.....os. 8.80 - —
Hydrobromine, 5 ozs.....os. 8.95 - —
cns., 25 ozs.....os. 8.75 - —
Hydrochloride, bots., 5 ozs..os. 9.00 - —
cns., 25 ozs.....os. 8.80 - —
Sulphate, bots., 5 ozs.....os. 9.00 - —
cns., 25 ozs.....os. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .15 - .16
Musk, nat., Tonquin, grains, bots., os.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb 4.00 - 9.10
25 lbs.....lb 4.10 - 9.10
5 lbs.....lb 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. .85 - 1.40
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.00
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14¼- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .25¼- .25¾
Montana, brown, bgs.....lb. .11½- .12
oriental, bgs.....lb. .11¾- .12¼
yellow, bgs.....lb. .26 - .26½
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .26 Nom.
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.56.00 -57.00
J2, same basis.....ton.51.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 90 lbs..lb. .3660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo.11.00 -11.30
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

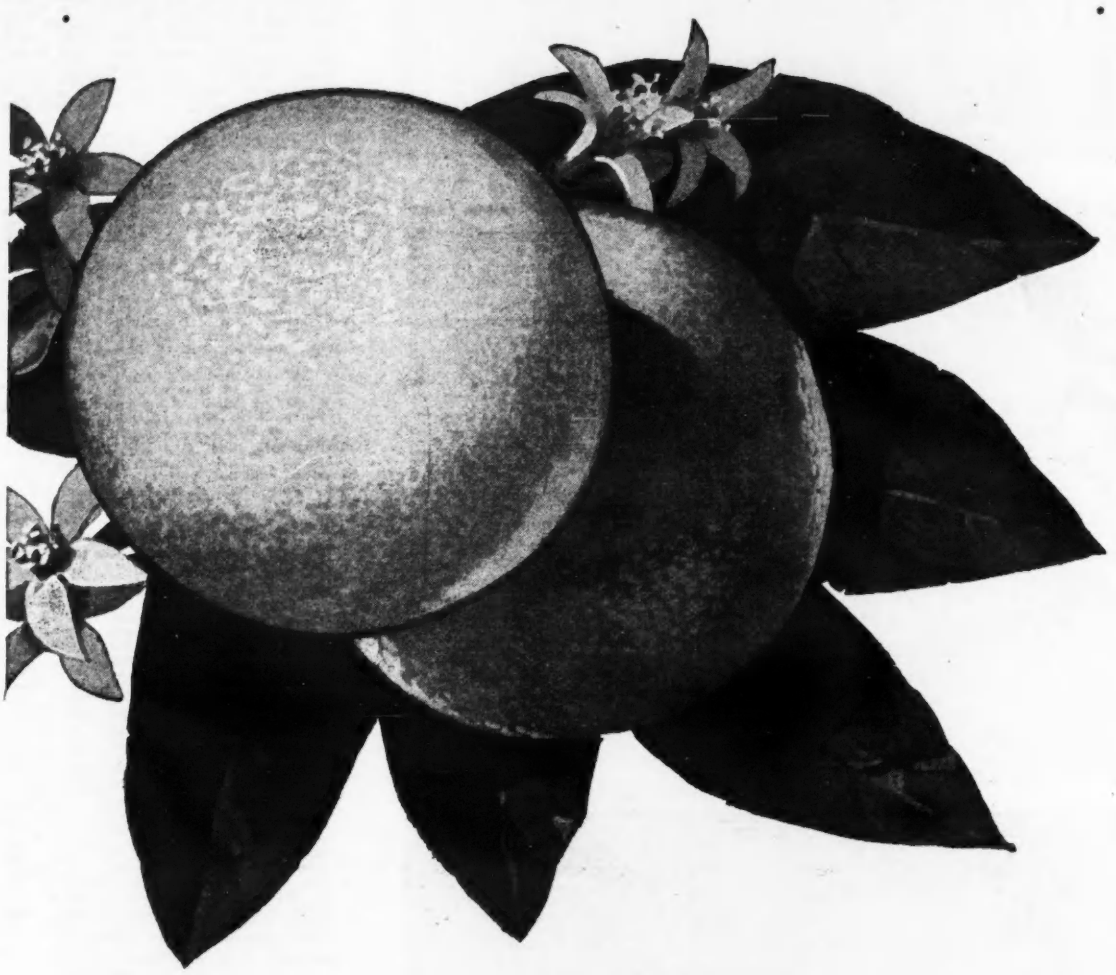
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .52 - .54
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34½- .34¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
sweet, exp., dms., cns.....lb. 1.10 - 1.40
Angelica root, bots.....lb.120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Chinese, dms.....lb. 3.00 - 3.50
Apricot kernel, cns.....lb. .45 - .50
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.00 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.00 - 7.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 - —
redistilled, USP IX, cns....lb. 2.40 - —
Calamus, cns.....lb.20.00 -24.00



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Exchange
OIL OF
ORANGE
U. S. P.

Oil, camphor, synthetic, white, cns..lb. .20 - .40
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb.10.50 -11.50
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.00 -10.25
Cardamom, bots.....lb.16.50 -22.50
Cassia, USP, cns.....lb. 8.50 -11.00
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l. .....lb. .17¼- —
cold pressed, USP, cns....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l. .....lb. .15¾- —
tanks .....lb. .1430- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. .....lb. .2015- —
tanks .....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l. .....lb. .1915- —
tanks .....lb. .1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l. .....lb. .15½- —
tanks .....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.65
Cedarwood, USP, cns., dms..lb. .90 - 1.15
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.75 - 1.85
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.l.f. N. Y..lb. .0885- —
Cochin type, bulk, c.l.f. N. Y..lb. .0935- —
Manila, bulk, c.l.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, bulk.....lb. .0985- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.22.50 -35.00
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¾- .16½
tanks .....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .03½- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13½
foots, acid, 95%, tanks, dlvd. E..lb. .07¾- —
raw, 50%, tanks, dlvd. E. lb. .03¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 4.75
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Geranium, Bourbon, cns.....lb.16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -14.00
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.00 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 5.25 - 8.00
Lavender flower, French, 38%-42% ester, cns..lb.13.00 -17.00
30-32% ester.....lb. 8.50 - —
Russian, cns.....lb.14.50 - —
spike, Spanish, pure, cns...lb. 2.65 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.42.00 -50.00
Lemongrass, cns., dms.....lb. 2.95 - 3.85
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.50 - —
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.75 - 7.25
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns. lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¾- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¾- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .50½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.00 -10.00

Oil, menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¼
Neroli, French, bots.....lb.230.00 -300.00
Haitian, bots.....lb.195.00 -200.00
Oiticica,[1] liquid, dms., c.l..lb. .25½- —
l.c.l. .....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .13034 —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.20
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock. lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.35
expressed, USP, Brazilian, cns..lb. 1.35 - 1.65
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.70
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -112.00

Oil, origanum, Spanish, cs....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0805- —
Palmarosa, cns.....lb. 7.50 - —
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind, ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .12¾- .13¾
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.50
import, cns.....lb. 3.35 - 4.00
Peppermint,[1] natural, dms...lb. 6.25 - 7.00
redist., USP, dms.....lb. 6.65 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 2.95 - 3.30
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.05 - 3.75
Pine,[1] ret. dms., c.l., dlvd. E. gal. .63 - .68½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.25 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —

Oil, putty, dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, dlvd. E. of Rockies.. lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla.....lb. .16¾- —
special non-ret. dms., bbls., c.l., dlvd. E of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17½- —
Red oil prices for ton lots are ½ cent per pound higher, and 1c. higher for less than ton lots.
Rose, natural, coppers.....oz 31.25 -43.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.35
USP, cns., dms.....lb. 1.50 - 1.75
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Spanish, cns.....lb. 2.50 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb. 9.52 - —
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —

New *Aromatic* Chemicals Developed During The Past Year

The new odor successes in the perfume and cosmetic field will be based upon these:

★ JASMINOL

Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer. Stable in soaps and creams. Basis for Jasmin Odors.

★ TUBEROL

Basis for Tuberose odors and perfumes for creams, lotions etc.

★ CUIRUSAL

Powerful aldehyde useful in floral and many fancy bouquets.

★ AMBRIOL

Deep rich aroma of Ambrette Seed Oil.

★ RESEDALIA

A chemical surprisingly true to the odor of Reseda Mignonette.

★ ETHYLENE GLYCOL ACETAL OF PHENYL ACET ALDEHYDE

Softener and homogenizer for all types of Floral Odors.

★ VIOLETTONE

A Ketone basis for Violet Odors with Patchouly note.

These are a few of our recently developed products.

WRITE FOR COMPLETE LIST.

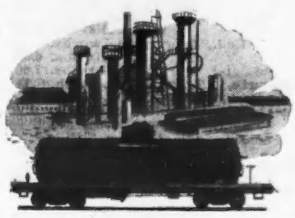
ESTABLISHED 1910 GD CO AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, sassafras, artif., Brazilian, cns. lb. .62 - .80
natural, cns., dms. lb. 2.00 - 2.30
Savin, cns. lb. No stocks
Savory, cns. lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks. lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works. gal. .23 - .29
tanks, works. gal. .15 - .16
Snakeroot Canada, cns. lb. No stocks
Soybean,[1,7] clarified, dms. lb. .1296 - .1335
tanks lb. .1250- —
crude, tanks, Decatur. lb. .1175- —
deod., Winter, tanks. lb. .1393- —
ret., dms. lb. 1500- .1540
foots, acid, 95%, tanks, dlvd. E. lb. .07¼- —
raw, 50%, tanks, dlvd. E. lb. .03½- —
refd., varnish, dms. lb. .1380- .1400
tanks lb. .1340- .1347
Spearmint, dms. lb. 4.00 - 4.25
Sperm, bleached, 38°, dms. lb. .1445- —
natural, 45°, dms. lb. .1310- .1311
Spruce,[1] cns., dms. lb. 2.55 - 2.72
Sunflower,[7] imported, refined, tanks. lb. .1438- —
semi-refined, tanks. lb. .1430- —
Sweet birch, North, cns. lb. 5.00 - 6.25
South, cns. lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., works. ton. 53.65 -55.00
l.c.l., works. ton. 58.65 -63.65
tanks, works. ton. 40.00 -45.00
refined, dms., c.l., works. lb. .05 - .05¼
l.c.l., works. lb. .05½- —
tanks, works. lb. .04½- —
Tallow, acidless, bbls. lb. .14¼- —
tanks lb. .13¾- —
Tansy, cns. lb. No stocks
Tar,[1] pine ,crude, dms., c.l., dlvd. E. cities. gal. 32¾- —
l.c.l., works. gal. .28¾- —
tanks, dlvd. E. cities. gal. .27 - —
rectified, USP, bbls. gal. 60½- —
Tar acid (see T).
Thyme, NF, red, cns. lb. 3.20 - 3.25
white, cns. lb. 3.50 - 3.65
Tung,[1] dms., c.l. lb. .39 - .39½
l.c.l. lb. .40 - .41
tanks lb. .38¾- —
Turkey red (see Oil, caster, sulphonated).
Turpentine, rectified, USP, cns., dms. lb. .25 - .29
Vetiver, Bourbon, cns. lb. 37.00 -40.00
Whale,[1] ref., natural, dms. lb. No stocks
Winter bleached, dms. lb. No stocks
Wheat germ, dms. gal. 10.00 -13.50
White mineral, tech., 50-65 vis., dms., lpcl., c.l. gal. .34 - —
l.c.l. gal. .37 - .41
65-75 vis., dms., dms. incl., c.l. gal. .35 - —
l.c.l. gal. .38 - .42
USP, 80/90 vis., dms., dms. incl., c.l. gal. .37 - —
l.c.l. gal. .40 - .44
125/135 vis., dms., dm. incl., c.l. gal. .46 - —
l.c.l. gal. .49 - .53
145/155 vis., dms., dms. incl., c.l. gal. .48 - —
l.c.l. gal. .51 - .55
175/185 vis., dms., dms. incl., c.l. gal. .50 - —
l.c.l. gal. .53 - .57
200/210 vis., dms., dms. incl., c.l. gal. .54 - —
l.c.l. gal. .57 - .61
335/345 vis., dms., dms. incl., c.l. gal. .62 - —
l.c.l. gal. .65 - .69
55, 70 and 85 vis., non-ret. dms., San Francisco. gal. .42 - —
smaller lots, same basis, gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco. gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis. gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco. gal. .59 - —
smaller lots, same basis gal. .61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco. gal. .62½- —
smaller lots, same basis gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco. gal. .74 - —
smaller lots, same basis gal. .76 - .78
Wintergreen, natural, North, cns. lb. 5.50 -12.00
South, cns. lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. lb. 5.00 - 5.35
Wormwood, cns. lb. 4.85 -10.00
Ylang-ylang, Bourbon, extra, bots. lb. 18.50 -24.50
first, bots. lb. 14.50 -18.50
second, bots. lb. 11.00 -14.50
third, bots. lb. 6.00 - 9.50
Oleostearin,[1,7] dms., Chicago. lb. .1061- —
Olivine, aggregate, c.l., mines. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton. 8.00 - —
paper bgs., c.l., works. ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots. lb. 13.00 - —
25-lb. lots. lb. 13.25 - —
smaller lots. lb. 13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium, selenide, bbls., 100-lb. lots, works. lb. 1.50 - —
Dinitroanilin, toner[1] lb. 1.05 - —
Molybdate,[1] bbls. lb. .41 - —
Orthonitroanilin toner,[1] bbls., kgs., works. lb. .80 - 1.05
Persian,[1] bbls. lb. .39 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo. lb. .12½- —
other points. lb. .12 - —
smaller lots, Ala., etc. lb. .12¾- —
Ariz., etc. lb. .13¼- —
Colo., Mont., N. M., Wyo. lb. .13 - —
other points. lb. .12½- —
Orange flowers, cs. lb. .48 - .50
Orange peel, bitter, Haitian, bgs. lb. .13½- —
sweet, bls. lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs. lb. .08½- .09
flat leaf, bgs. lb. .08¼- .09¾
Orris root, Florentine, bls. lb. .55 - .56
Verona, bls. lb. No stocks
Portuguese, bls. lb. .48 - .49
Orthoamylphenol, dms., works. lb. .25 - —
Orthoanisidin, bbls. lb. .70 - —
Orthochloranilin, dms. lb. .60 - —
Orthochlorophenol, dms. lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works. lb. .17½- .18
l.c.l., works. lb. .18 - .18½
29° C. min., M.P., dms., c.l., works. lb. .16½- .17
l.c.l., works. lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .07 - —
l.c.l., same basis. lb. .08 - —
tanks, same basis. lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroanilin, dms. lb. .43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works. lb. .10 - —
l.c.l., works. lb. .11 - —
grade B, dms., c.l., works. lb. .06 - —
l.c.l., works. lb. .07 - —
Orthonitrochlorobenzene, dms. lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. lb. .09 - —
Orthophenetidin, dms. lb. .82 - —
Orthotoluidin, dms. lb. .19 - —
Osage orange crystals, bbls. lb. .23 - —
Extract, No. 1, bbls. lb. .11 - —
No. 2, bbls. lb. .10 - —
Ouabaine, USP, bots. gram 3.60 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works. lb. 3.50 - —
small lots, works. lb. 3.75 - 4.15

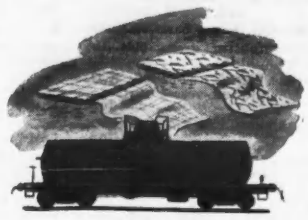
P

Papain, powd., cs. lb. 4.50 - 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots. oz. 7.00 - —
smaller lots. oz. 7.05 - 7.35
Sulphate, cns. oz. 7.10 - 7.35
Paprika,[4] Calif., sweet Caliente, ground, bgs. lb. .40 - .41
Chilean, bgs. lb. .30½- .36½
Portuguese, bgs. lb. .38 - .42
Spanish, bgs. lb. .43 - .44½
Para-anisidin, dms., works. lb. .75 - —
Parachlorophenol, dms., c.l., works. lb. .24 - —
l.c.l., same basis. lb. .25 - .27
Paracresol, bbls., works. lb. .41 - —
Paracymene, dms., c.l., works. lb. .1595- —
l.c.l., same basis. lb. .1645- —
tanks, same basis. lb. .1545- —
Paradichlorobenzene, dms., c.l., works. lb. .11 - .12
l.c.l., same basis. lb. .12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery. lb. .04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery. lb. .05 - —
120-122 ASTM, refinery. lb. .0520- —
122-124 ASTM, refinery. lb. .0520- —
125-127 ASTM, refinery. lb. .0560- —
127-129 ASTM, refinery. lb. .0585- —
128-130 ASTM, refinery. lb. .0585- —
130-132 ASTM, refinery. lb. .0615- —
132-134 ASTM, refinery. lb. .0640- —
135-137 ASTM, refinery. lb. .0715- —
140-142 ASTM, refinery. lb. .0810- —
146-148 ASTM, refinery. lb. .1050- —
Prices in bags 4/10c. lb. higher.
Paraformaldehyde, dms., 1,000 lbs. or more, works. lb. .21 - —
smaller lots, works. lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks. lb. .12 - —
10-gal. dms., works. lb. .15 - —
USP, cbys., cns. lb. .35 - .45
Paranitroanilin, kgs., works. lb. .41 - .43
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs. lb. .35 - —
Paranitrotoluene, kgs., works. lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 1.25 - —
Paratoluenesulphonamide, bbls. lb. .70 - —
Paratoluidin, bbls., works. lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld. lb. .20 - .27
l.c.l., same basis. lb. .22 - .28
Passion flower herb, bls. lb. 30 - .32
Patchouli leaves, bls. lb. .38 - .40
Pectin, bbls. lb. 1.25 - —
Penicillin,[4,6] ampule, per 100,000 units. .55 - .95
Pennyroyal leaves, bls. lb. .24 - .25
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, CP, bbls., dlvd. lb. .75 - —
smaller containers. lb. 1.00 - —
tech., bbls., c.l. lb. .27 - —
l.c.l. lb. .31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., dms., Group 3, gal. .19 - —
tanks, Group 3. gal. .07½- .07¾
laboratory grade, 10-gal. cns., dlvd. E. gal. .55 - —
dms., c.l., Group 3. gal. .16 - —
l.c.l., Group 3. gal. .29 - —
Pepper, black,[1,7] 15 tons, bgs. lb. .15 - .15½
50 to 100 bgs. lb. .15¾- .16¼
25 to 49 bgs. lb. .16¼- .16¾
5 to 24 bgs. lb. .16½- .17
Red, capsicum, Carolina, longs, new crop, bgs., ship't point. lb. No stocks
sports, old crop, bgs. lb. No stocks
Louisiana, sports, bgs. lb. No stocks
long, new crop, bgs., ship't point. lb. No stocks
Chillies, Mexican, bgs. lb. .40 - .40½
White,[1,7] bgs., 15 tons. lb. .23 - .23½
Peppermint, dom., USP, bls. lb. 1.20 - 1.25
Imported, USP, bls. lb. 1.50 - 1.55
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld. lb. .0772- .0800
Zone 2, same basis. lb. .0832- .0850
Zone 3, same basis. lb. .0882- .0900
Zone 4, same basis. lb. .0876- .0900
l.c.l., Zone 1, same basis. lb. .0882- .0850
Zone 2, same basis. lb. .0882- .0900
Zone 3, same basis. lb. .0932- .0950
Zone 4, same basis. lb. .0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms. lb. 1.10 - 1.20
Petrolatum, tech., dark, bbls., c.l., Group 3. lb. .021 - —
golden topaz, bbls., c.l. lb. .032 - —
l.c.l. lb. .036 - —
red, veterinarian, bbls., c.l. lb. .024 - —
l.c.l. lb. .026 - —
Petrolatum, USP, amber, non-ret. dms., c.l. lb. .03½- —
l.c.l. lb. .04½- —
extra amber, dms., c.l. lb. .03¾- —
l.c.l. lb. .04¾- —
cream, c.l., dms. lb. .05 - —
l.c.l. lb. .06½- —
white, lily, dms., c.l. lb. .05¾- —
l.c.l. lb. .07¼- —
snow, dms., c.l. lb. .06½- —
l.c.l. lb. .08 - —
soft, dms., c.l. lb. .05½- —
l.c.l. lb. .06½- —
yellow, soft, dms., c.l. lb. .03½- —
l.c.l. lb. .04½- —
Petroleum, crude, bulk, at wells, California, heavy grades. bbl. 1.03 - 1.63
Illinois bbl. 1.47 - —
Kentucky, Union County, bbl. 1.42 - 1.47
Louisiana-Arkansas bbl. .96 - 1.30
Oklahoma-Kansas bbl. .95 - 1.35
Pennsylvania bbl. 1.41 - 3.10
Texas, Gulf coast bbl. 1.16 - 1.58
North, North-Central bbl. 1.11 - 1.35
Panhandle bbl. .90 - 1.32
West bbl. .80 - 1.22
Wyoming bbl. 1.22 - —
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E. gal. .55 - —
dms., c.l., Group 3. gal. .16 - —
l.c.l., same basis. gal. .29 - —
35°-60° C., 10-gal., cns., dlvd., E. gal. .55 - —
dms., c.l., Group 3. gal. .16 - —
l.c.l., same basis. gal. .29 - —
40°-75° C, 10-gal., cns., dlvd., E. gal. .55 - —
dms., c.l., Group 3. gal. .16 - —
l.c.l., Group 3. gal. .29 - —
40°-75° C, 10-gal., cns., dlvd., E. gal. .55 - —
dms., c.l., Group 3. gal. .16 - —
l.c.l., same basis. gal. .29 - —
Fuel oil,[1] furnace, tanks, at refinery, Arkansas., No. 2. gal. .04½- —
No. 3. gal. .04 - —
Bayonne, No. 2, tanks. gal. .057 - —
California, heavy bbl. 1.10 - —
light bbl. 1.20 - —
diesel gal. .04 - —
range gal. .05 - —
Group 3, No. 1. gal. .04¾- —
No. 2, straw. gal. .04½- —
No. 3. gal. .04 - —
range gal. .04 - .04½
Kansas, No. 6. bbl. 1.02 - —
Oklahoma, No. 1, p.w. gal. .04¾- —
No. 1, straw. gal. .04¼- —
No. 2, straw. gal. .04½- —
No. 3. gal. .04 - —
No. 6. bbl. .90 - .97
range gal. .04½- —
Pennsylvania, No. 1. gal. .06825- .0705
No. 2. gal. .06375- .0675
No. 3. gal. .06375- .0675
36-40 gravity gal. .0625- .0675
bunker C (No. 6), tanks, Albany, N. Y. bbl. 1.92 - —
Baltimore, Md. bbl. 1.72 - —
Boston, Mass. bbl. 1.765 - —
Charleston, S. C. bbl. 1.63 - —
Fall River, Mass. bbl. 1.735 - —
Jacksonville, Fla. bbl. 1.63 - —
New Haven, Conn. bbl. 1.763 - —
New York, N. Y. bbl. 1.72 - —
Norfolk, Va. bbl. 1.68 - —
Philadelphia, Pa. bbl. 1.72 - —
Portland, Me. bbl. 1.765 - —
Portsmouth, N. H. bbl. 1.765 - —
Providence, R. I. bbl. 1.735 - —
Savannah, Ga. bbl. 1.63 - —
Tiverton, R. I. bbl. 1.735 - —
Wilmington, N. C. bbl. 1.63 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles. gal. .11 - —
Fort Wells, Wash. gal. .12 - —
East Coast, N. J., N. Y., tanks, refinery. gal. .11½- —
Group 3, benzol type, tanks. gal. .07¾- —
toluol type, tanks. gal. .07¾- —
San Francisco. gal. .11½- —
Willbridge, Ore. gal. .12 - —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks. gal. 10¼- —
198-290 b.r., tanks. gal. .10¼- —
246-397 b.r., tanks. gal. .10½- —
312-408 b.r., tanks. gal. .09 - —
362-458 b.r., tanks. gal. .09 - —
East coast, N. J., N. Y., tanks, refinery. gal. .10 - —
Group 3, tanks, refinery. gal. .06¼- .06⅝
Gulf coast, tanks. gal. .06½- —
tankwagons, Baltimore. gal. .1210- —
Boston gal. .12 - —
Bridgeport, Conn. gal. .1430- —
Buffalo gal. .1240- —
Camden, N. J. gal. 11 - —
Chicago gal. .1150- —
Detroit gal. .1380- —
Hartford gal. .1430- —
Kansas City, Mo. gal. .1280- —
Lancaster, Pa. gal. .12 - —
Milwaukee gal. .1240- —
Minneapolis gal. .1220- —
Newark gal. .11 - —
New York gal. 11 - —
Philadelphia gal. 11 - —
Pittsburgh gal. .125 - —
Providence gal. .13 - —
Rochester gal. .1320- —
St. Louis gal. .1370- —
Syracuse gal. .14 - —
Washington, D. C. gal. .135 - —
Wilmington, Del. gal. .11 - —
Naphtha, cleaners, California, tanks, San Francisco. gal. .12 - —
East coast, N. J., N. Y., tanks, refinery. gal. .11 - —
Group 3, tanks, refinery. gal. .07½- .07½
tankwagon, Newark gal. .12 - —
Bridgeport gal. .1730- —
Chicago gal. .1380- —
Detroit gal. .15 - —
Milwaukee gal. .1440- —
Minneapolis gal. .1420- —
New York gal. .12 - —
Philadelphia gal. .125 - —
St. Louis gal. .1470- —
high-solvency, No. 8, tanks, frt. alld. Kansas City E. gal. .225 - —
No. 30, tanks, same basis, gal. .220 - —
No. 40, tanks, same basis, gal. .220 - —
No. A-80, tanks, Carteret, N. J. gal. .21½- —
Chicago, Cincinnati, Detroit. gal. .23 - —
No. B-90, tanks, all shipping points. gal. .24½- —
No. F-80, tanks, Carteret, N. J. gal. .23 - —
V.M.&P. at refinery, California, 46.5 254 l.b.p., 380 e.p., tanks, El Segundo. gal. .11 - —
Richmond gal. .11½- —
Petroleum, naphtha, V.M.&P., at refinery, Willbridge, Ore., Pt. Wells, Wash. gal. .12 - —
54-77, 180 i.b.p., 310 e.p., Los Angeles. gal. .10 - —
San Francisco. gal. .10½- —
Portland, Seattle. gal. .11 - —
Group 3, tanks. lb. .07½- .07½
Gulf Coast (dlvd. New Orleans), tanks. gal. .06½- —
tankwagon, Boston. gal. .13 - —
Chicago gal. .1350- —
Detroit gal. .15 - —
Milwaukee gal. .1540- —
Minneapolis gal. .1520- —
Newark gal. .125 - —
New York gal. .12 - —
Philadelphia gal. .125 - —
Pittsburgh gal. .12½- —
St. Louis gal. 1470- —
Solvent, rubber, at refinery, California, San Francisco gal. .25½- —
East Coast, N. J., N. Y., tanks. gal. .11 - —
Group 3, tanks. gal. .07½- .07½
Stoddard (CS 8-53), at refinery:—
California (San Francisco), tanks. gal. .11 - —
East Coast, N. J., N. Y., tanks. gal. .10 - —
Group 3, tanks. gal. .06⅝- —
Pennsylvania, western, tanks. gal. .07¼- .07½
tankwagon, Baltimore. gal. .13 - —
Boston gal. .12 - —
Chicago gal. .13½- —
Detroit gal. .1580- —
Milwaukee gal. .1440- —
Minneapolis gal. .1420- —
Newark gal. .11 - —
New York gal. .11 - —
Philadelphia gal. .11 - —
Pittsburgh gal. .12½- —
St. Louis gal. .1370- —
Syracuse gal. .14 - —
Toluol, tanks, dlvd. E. gal. .27 - —
Xylol, tanks, dlvd. E. gal. .26 - —
Sulphonates, 68% sulphonic content, ret. dms., c.l., works. lb. .09¾- —
l.c.l., works. lb. .09¾- .10⅜
tanks, works. lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works. lb. .09¾- —
l.c.l., works. lb. .09¾- .10⅜
tanks, works. lb. .09¼- —
Phenobarbital, cns. lb. 3.60 - 3.70
dms., 100 lbs. lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. lb. .10 - —
l.c.l., same basis. lb. .10¾- —
tanks, same basis. lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis. lb. .09¾- .10¼
l.c.l., same basis. lb. .10½- —
tanks, same basis. lb. .08¾- .09¼
USP, dms., c.l., same basis. lb. .10½- —
l.c.l., same basis. lb. .11¼- —
tanks, same basis. lb. .09¼- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs. lb. .85 - —
smaller lots. lb .87 - .92
Yellow, fib. dms., 2,000 lbs. lb. .80 - —
smaller lots. lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs. lb. .45 - —
smaller lots. lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots. lb. 2.45 - 2.50
100%, bots. lb. 4.00 - 5.00
Phenylethyl acetate, dms. lb. 2.15 - 2.70
Phenylethylphenyl acetate, bots., lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots. lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works. lb. 1.75 - —
Phloroglucinol, CP, fib. dms. lb. 13.75 -14.75
tech., fib. dms. lb. 12.00 -12.55
Phosgene, ton lots, works. lb. .19 - —
Phosphate, defluorinated (see under D).
Phophate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l. long ton. 2.20 - —
70%-68%, same basis. long ton. 2.60 - —
72%-70%, b.p.l., same basis. long ton. 3.20 - —
75%-74%, b.p.l., same basis. long ton. 4.20 - —
77%-76%, b.p.l., same basis. long ton. 5.20 - —
entirely pebble, 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum. short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum. short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum. short ton. 3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & a., same basis. long ton. 5.30 - —
72%-70% b.p.l., 5½% l. & a., same basis. long ton. 5.80 - —
refinery, ground, 29% P_2O_5, same basis. long ton. 4.95 - —
30% P_2O_5, same basis. long ton. 5.15 - —
31% P_2O_5, same basis. short ton. 5.25 - —
32% P_2O_5, same basis. short ton. 5.50 - —
33% P_2O_5, same basis. short ton. 6.00 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export lb. .55 - —
yellow, cns. lb. .23 - .25
dms., c.l. lb. .14½- —
Oxychloride, dms., c.l. lb. .10½- —
l.c.l., dms. lb. .12½- .15
Pentoxide, dms., c.l., works. lb. .11 - .12
l.c.l., works. lb. .13 - .14
Sesquisulphide, cs. lb. .38 - .42
Trichloride, dms., c.l. lb. .10½- —
l.c.l. lb. .12½- .15
Phthalamide, bbls., works. lb. .35 - .40
kgs., works. lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver. lb. .13 - —
l.c.l., same basis. lb. .14 - —
Pichi leaves, bgs. lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis. oz. 6.75 - 5.10
Nitrate, bots., vis. oz. 3.65 - 5.00
Pimento,[1] Jamaica, bgs. lb. .24½- .25
Pinetar, retort, dms., incl., c.l., works. gal. .31 - —
l.c.l., works, dms. incl. gal. .32 - —
tanks, dlvd. E. gal. .27 - —
Pinkroot, bls. lb. 1.10 - 1.15
Piperazine hexahydate, bots. lb. 16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works. ton. 19.00 - —
l.c.l., works. ton. 22.00 - —
Cottonseed, dms., works. lb. .04 - .06



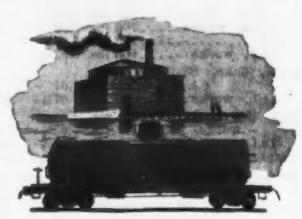
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

COTTONSEED OIL

Clean, steel coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS

Tank car transportation of liquids in bulk, pioneered by General American has proved its versatility, its efficiency, its economy.

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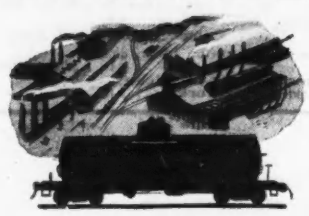
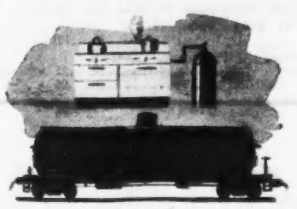
GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO



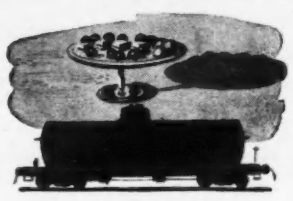
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



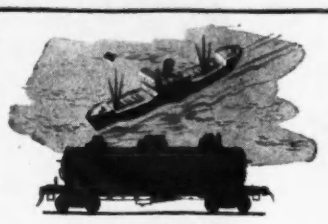
PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.



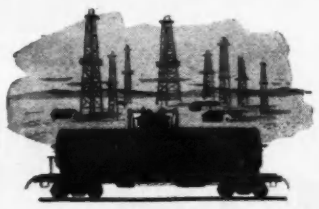
GLUCOSE

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.



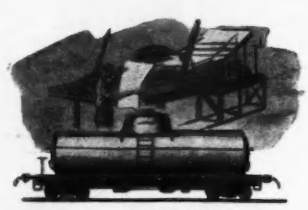
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



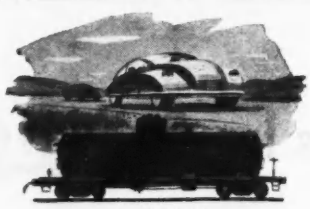
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.

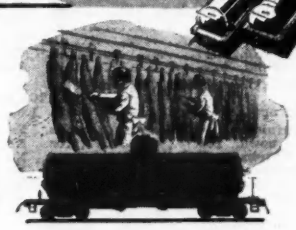


GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.

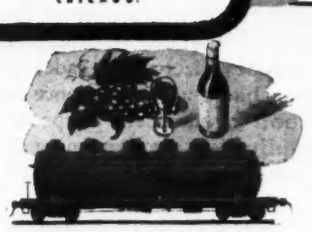
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



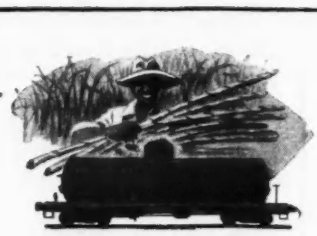
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.

SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

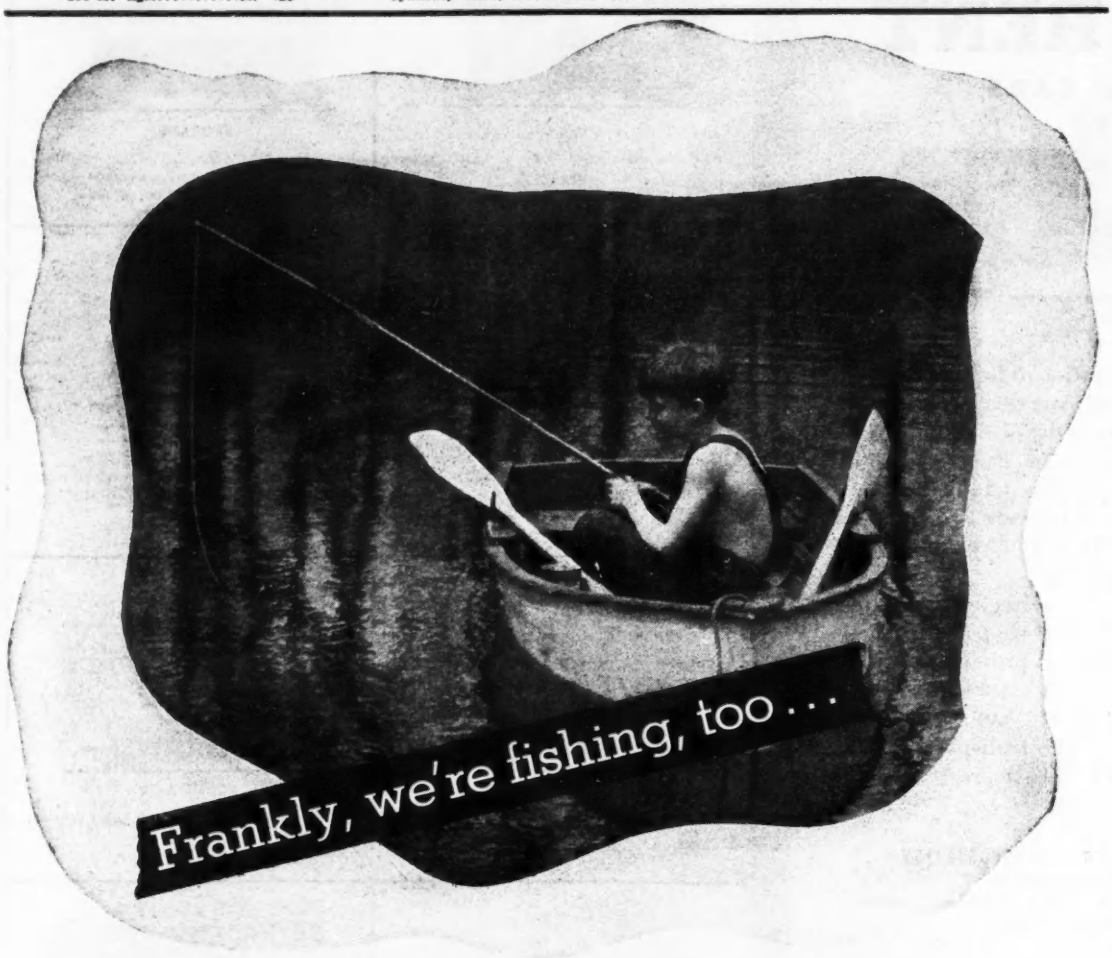
Pitch, hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bls.....lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld.....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .35 - .35½
Danish, bgs.....lb. .37½- .38
Dutch .....lb. .38½- .39
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .37 - .37½
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .60 - —
Acetate, USP, dms.....lb. .28 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] bgs., c.l. works. lb. .10 - —
l.c.l., works.....lb. .10¼- .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs.....lb. .26 - —
Potash carbonate, calcined, bbls., c.l., works..lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basic, flake, dms., c.l., works..100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works.. 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.93½- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03½- —
l.c.l., same basis.....lb. .03¾- .03½
tanks, same basis.....lb. .02⅞- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .28
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 96%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .35½
powd., 5c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Potash fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms. lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports.... unit-ton. .63½- —
granular, 50-52% K_2O.... unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., cbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Potash prussiate, red, kgs.....lb. .50 - .58
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.209.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[8] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton.36.25 - —
Sulphocyanide, cryst., N.F., dms...lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, *41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[9] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .48
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .60 - .65
Pumice,[1] grd., fine, bgs., ton lots. lb. .03½- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03⅝- —
smaller lots.....lb. .03⅞- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. 27 - .28
Purple laks (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 7.15 - —
odorless base, dms., works. gal. 7.25 - —
(30 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. lon ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., works..lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works.. lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] solid, 62% tannin, bgs., c.l., ex dock, in bond..lb. .05⅝- .06⅛
clarified, 64% tannin, bgs., c.l., same basis..lb. .06⅛- .06⅝
dissolved, 32% tannin, bbls., works..lb. .04575- .0595
tanks, works.....lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .069 - —
l.c.l. .....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .12
Quercitron, crystals, bbls.....lb. 26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. 18½- —
Quicksilver, flasks (76 lbs. net).. flask.108.00 -109.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Asenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz No stocks
Ferrocyanide, cns., 100 ozs.oz No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrobiorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. 80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks



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- Solvent Recovery?
- Gas Purification?
- Deodorization?
- Decolorization?
- Fractionation?
- Isolation of Organic Chemicals or Drugs?
- Catalysis or Catalyst Carriers?

Activated Carbon is one of the most versatile and adaptable *adsorbents* known. As such its wide range of usefulness is constantly expanding.

Pittsburgh Coke and Chemical Company, as one of the largest manufacturers of Activated Carbon, produces a *superior* product in a variety of types, sizes and grades as required. Our technical staff has had much experience in the application of Activated Carbon for adsorbent purposes.

But frankly, these practical applications are becoming so diversified that it is quite impossible to know about all of them.

When the extensive use of an adsorbent is indicated, in refining, manufacturing or processing, Activated Carbon may offer advantages of economy and efficiency. We would like an opportunity to learn about your problems.

Chemical Sales Division
Pittsburgh Coke & Chemical Company
Grant Building Pittsburgh, Pennsylvania

Quinine tannate, USP X, cns., 100 ozs..oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..ozs. No stocks
Quinine-urea hydrochloride,[6] USP. cns..ozs. No stocks
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —

Red cadmium lithopone, all shades, in smaller pgks., 5c. per lb. higher.

Orange (see Orange).
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
60-65%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .083 - .09¼
Lacquer, maroon, bbls., wks. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .26 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —

Maroon, in smaller pkgs., 5c. per lb. higher.

Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .62 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.25 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms. frt. alld..lb. 1.60 - —
Rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .70 - .71
powd., bbls.....lb. .80 - .81
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .44 - .45
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .08½- .09
Spanish, bls.....lb. .13 - .13½
Rosin, gum,[1]—
B, dms., c.l.....100 lbs. 6.68 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.28 - —
F, dms., c.l.....100 lbs. 7.38 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.48 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.66 - —
W.G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.16 - —
X, dms., c.l.....100 lbs. 8.18 - —
Wood,[1] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works.. 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb.10.90 -13.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .50

S

Sabadilla seed, powd., bbls....lb. .45 - .48
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Persian, tins.....lb.48.00 - —
Spanish, NF, tins.....lb.42.00 Nom.
Safrol, cns.....lb. .90 - .92
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .80 - .81
Cyprus, good, bls.....lb. .24 - .24½
fair, bls., futures.....lb. .18½- .19
Dalmatian, bls. .....lb. .34 - .35
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Washington, Dalmatian - type, bls..lb. .41 - .43
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
flb. dms.....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.00 -28.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd.. cns.kilo.170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .33
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .65 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .22½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.50 - 2.60
Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .18 - .19
2, bls.....lb. .16 - .17
3, bls.....lb. .15 - .16
powd., bbls., bgs.....lb. .15 - .17
Senna, pods, bls.....lb. .09 - .10
Pods, bls.....lb. .13 - .14
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bone, 1,500-lb. lot. lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Shellac, D. C., V. P. O., Diamond I, 100 bgs..lb. .4060- —
Garnet, 100 bgs.....lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3690- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3900- —
TN, 100 bgs., Boston, N. Y..lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2½c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
90%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27

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MANUFACTURERS who have been thinking of using DDT in their products are invited to come to Du Pont for technical service. Experience gained as a major supplier of DDT to the armed forces may be of considerable value to you.

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Because of the method by which it is manufactured, Du Pont DDT Technical is uniformly dependable. It works well in dry preparations and dissolves quickly, forming clear solutions.

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BETTER THINGS FOR BETTER LIVING
....THROUGH CHEMISTRY

DU PONT
DDT *Technical*

Silver bullion....oz. .71111- —
Cyanide, cns., 100 ozs....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47⅝- —
smaller lots.....oz. .47½- .47⅝
Neucleinate, USP, bots., dms., oz. .308 - .323
Proteinate, USP, bots., dms.oz. .238 - .326
Simarubra bark, bls.....lb. .56 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33

Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10⅝- .11¼
gray, dms., dealers, c.l., works..lb. .08¼- —

Soda arsenate, gray, dms., dealers, l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.13 - —
2.....100 lbs. 2.13 - —
3.....100 lbs. 2.18 - —
4.....100 lbs. 2.28 - —
bbls., c.l., wrks, Zone 1.. 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 1.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .96 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.05 - 1.18
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.86 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —

Soda ash, light, 58%, bulk, c.l. 100 lbs. .90 - —

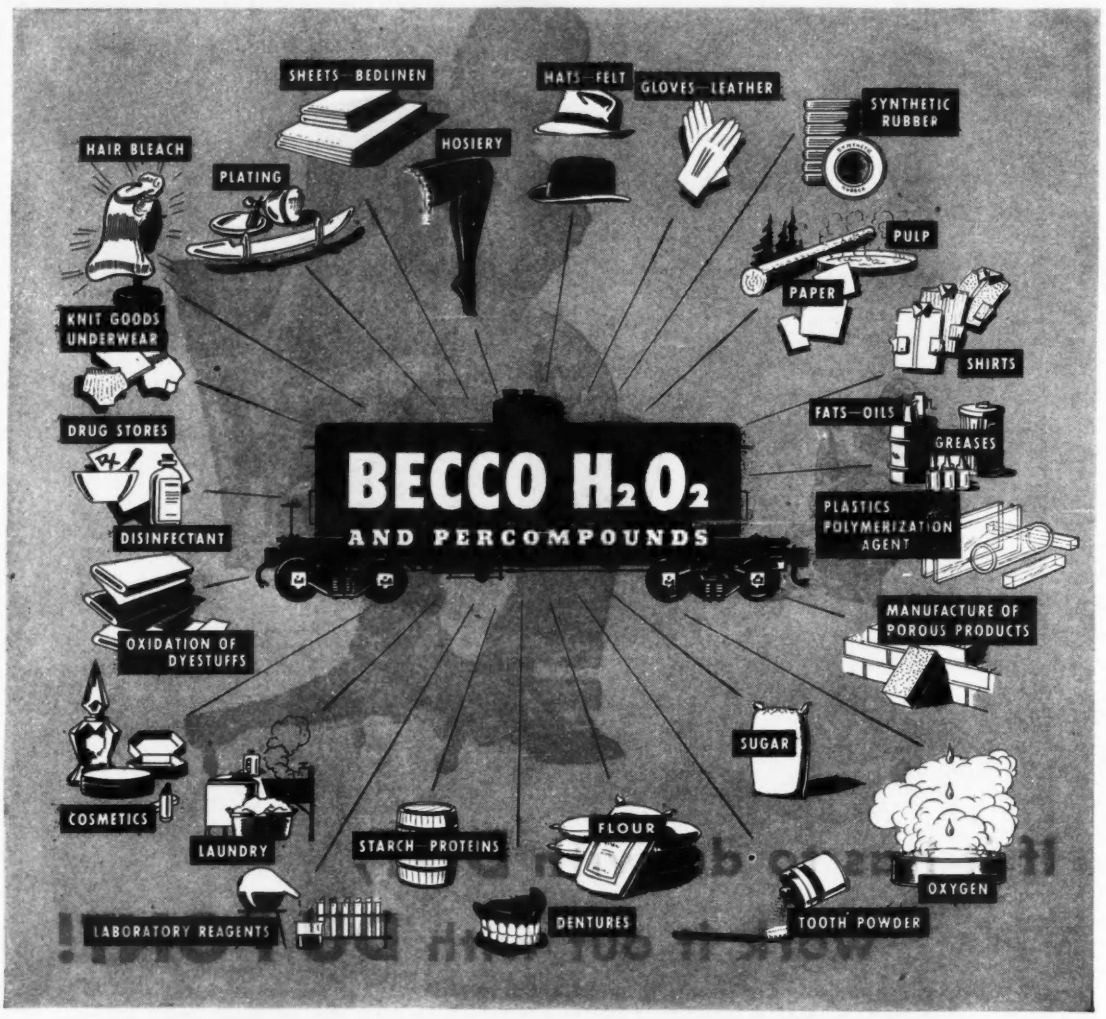
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Gta.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works. lb. .07⅝- —
l.c.l., works.....lb. .07⅞- .08¼
Soda bichromate, in bbls., ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —

Soda bisulphite, solut., 30°, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. 25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 3.85
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chlorate cryst., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Chloride (see Salt).
Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in bgs. is ½c. less.
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19¼- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms.....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .25
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0483- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.00
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate[1], anhyd., kgs., works. lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dms., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.50 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.26
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
Prussiate, yellow, bgs.....lb. .10⅝- —
bbls.....lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —



BECCO UREA PEROXIDE

Becco Urea Peroxide, one of the many "peroxygen" chemicals manufactured by us, is a white crystalline material containing 16 per cent active oxygen. It is very readily soluble in water and is also soluble in alcohols and certain other organic solvents. It possesses good storage stability. It contains water-free hydrogen peroxide. It is available as crystalline powder or as tablets.

A FEW APPLICATIONS:

Used extensively for pharmaceutical and cosmetic preparations.

Its outstanding characteristic of containing water-free hydrogen peroxide, makes it applicable as an oxidizing, bleaching and polymerization agent for use in non-aqueous systems.

OTHER BECCO PRODUCTS:

Electrolytic Hydrogen Peroxide—100 vol. (27.5% by weight)

Electrolytic Hydrogen Peroxide CP—30 and 90% by weight

Ammonium Persulfate
Potassium Persulfate
Magnesium Peroxide
Calcium Peroxide
Zinc Peroxide
Pyrophosphate Peroxide
Sodium Carbonate Peroxide
Acetyl Peroxide Solution

BUFFALO ELECTRO-CHEMICAL CO., Inc.

Becco Sales Corporation Sales Agents

16 SAWYER AVENUE, BUFFALO 7, NEW YORK

Soda phosphate, tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —

Soda phosphate m bbls. 25c. higher.
USP (see Sodium phosphate, dibasic).
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.. 100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, turbid, dms., c.l., works. 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¼- .07
l.c.l., works.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, crys., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .08 - —
38%, tanks, 100% basis, works..lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyante (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots.. dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.95
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .49
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04¼- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .18 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boll, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms.lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.45
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10

Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
lb. dms.....lb. 1.05 - 1.25
Sulphanilamide, 20-30 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., wks. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - —

Sulphur chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.08 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.

triple, 40% or more, a.p.a., bulk, producing points, Florida. unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls.....lb. 1.00 - 1.25

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Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
grd., coarse, off-color, New York, bgs., c.l., works.ton.13.00 - —
works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07¼
(70% fat), dms., c.l.....lb. .10 - .10¼
Tallow, sulphonated, l.c.l., ¼c. higher.
Tamarind, bbls .....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, Chicago .....unit-ton. 5.53 - —
unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,8] bgs.....lb. .07 - .07¼
Java, bgs.....lb. No stocks

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CAUSTIC SODA

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CALCIUM CHLORIDE

POTASSIUM CARBONATE

CAUSTIC POTASH

AMMONIUM BICARBONATE

SODIUM NITRITE

AMMONIUM CHLORIDE

PARA-DICHLOROBENZENE

AT THE END OF your telephone is a SOLVAY Technical Service man, trained by years of industry-experience to solve your manufacturing problems involving the use of alkalies and related products. Our large staff of industry-trained technicians has been chosen, not alone to advance our own manufacturing methods and products, but even more . . . to help the industries we serve to more effective operation, and in new product development, through the use of quality alkalies.

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ar acid oil [illegible] dms. c.l. works gal. .26½ -
t.c.l., works.....gal. .28½ -
25%, dms., c.l., works..gal. .30 -
t.c.l., works.....gal. .32 -

Tar, pine (see Pinetar)

Tara,[1] powd., c.l., ex dock, U. S. ports..long ton.115.00 -

Tarragon herb, bgs .....lb. .60 - .75
Leaves, bgs. .....lb. 1.20 - 1.25

Tartar emetic, tech., gran. or powd., bbls., kgs. lb. .47½- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52½- .56

Terpin hydrate, com'l, bbls., c.l lb .24½- -
l.c.l. .....lb .25 - .25½
USP, cryst., bbls., dms...lb. .70 - .75
powd., bbls., dms......lb. .75 - .80

Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½ -
l.c.l., South.....lb. .14 -
tanks, South.....lb. .13 -
pure, dms......lb. .34 - .50

Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- -
l.c.l., works.....lb. .20 -
tanks, works.....lb. .19 -

Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05

Terra alba (see Gypsum).

Tetrachloroethane, dms., works, lb. .08 - .08½

Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms. works.....lb. .23½- .25½
tech (see Perchloroethylene)

Tetrallin, dms.....lb. .19 - -

Tetrasodium pyrophosphate (see Soda pyrophosphate)

Thallium sulphate [illegible] works..lb.12.50 Nom

Theobromine, dms. 25-lb lots lb 2.80 - -
smaller lots.....lb 2.90 - 3.00

Thiamine hydrochloride, dms.. 100 grams or more..kilo.160.00 - -

Thiocarbanilide, dms.....lb .24 -

Thiouracil, works.....lb. 5.50 - 5.60

Thorium, CP, dms .....lb [illegible]

Thorium nitrate, cs., works lb 2.60 - -

Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .14 - .14½

Thymol, cns .....lb. 2.40 - 2.75

Iodide, dms.....lb. 3.40 - 3.80

Timbo root (see Cube root).

Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks

Metal,[1,6] .....lb .52 -
Bolivian .....lb .63½- -
Straits .....lb. No stocks

Oxide,[1,6] bbls.....lb. .54 - .55

Tetrachloride,[6] anhyd., dms., works lb .31 - .33

Titanium dioxide,[1,6] chalk resistant, bgs., c.l., dlvd. lb .15 -
t.c.l., dlvd. .....lb. .15½- .18½
nonchalking,[1,6] bgs., c.l., dlvd. E..lb. .16½- -
t.c.l., dlvd. .....lb. .16¾- .17½
plain, bgs., c.l., dlvd.....lb. .14½- -
t.c.l., dlvd. .....lb. .14¾- .15½

Hydride, cns., works.....lb. 7.00 - 8.00

Pigment, barium, base,[1,6] bgs., c.l., dlvd..lb. .05¾- -
t.c.l., dlvd. .....lb. .06 -
calcium base,[1,6] bgs., c.l., dlvd..lb. .05½- -
t.c.l., dlvd .....lb. .05¾- -
Calcium-rutile base,[1,6] bgs., c.l., dlvd lb. .05½- -
t.c.l., dlvd .....lb. .05¾- -
Magnesium base,[1,6] dlvd...lb. .05¾- -
t.c.l., dlvd. .....lb. .06 -

Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast, c.l., dlvd., t.c.l., ex whse., ¼c higher

Titanium tetrachloride, CP, 55-gal. dms., works..lb. .57 - -
smaller pkgs., works.....lb. .95 - 1.25
technical, 55-gal. dms., works. lb. .22 - -
smaller pkgs., works.....lb. .40 - 1.00

Tolu balsam, cns.....lb. 2.20 - 2.25

Toluidin base, distilled, kgs...lb. .96 - -

Toluene (see Toluol)

Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .22 - -
tanks, E. of Omaha, frt. alld. gal. .27 - -
West Minnequa, Colo gal. .27 - -
1°, nitration, ret. dms., works gal. .32 - -
tanks, E. of Omaha, frt. alld gal .27 - -
West Minnequa, Colo gal .27 - -

Petroleum toluol prices same as those for coaltar toluol.

Tonga, 50% bark and wine, bbls lb. .90 - .91

Tonka beans, Angostura, cks.lb 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85

Totaquine,[1,6] USP XII, [illegible] lots..oz .52 - -

Triacetin, dms., works .....lb. .27 - .32

Triamylamine, dms., c.l., works, lb. .98 - -
l.c.l. .....lb. 1.01 - -

Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40

Phosphate, cns., l.c.l., dlvd.lb. .53 - .58
dms., l.c.l., dlvd.....lb. .49 - -

Tributylamine, dms., c.l., works, lb. .78 - -
l.c.l., works.....lb. .81 - -

Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - -
l.c.l., frt. alld.....lb. .08½- -
tanks, frt. alld.....lb. .07½- -

Trichloroethane, dms., c.l., works lb. .15 - -
l.c.l., works.....lb. .17 - -

Trichloroethylene, dms., c.l., Zone 1, works, frt. allid..lb. .08 - -
Zone 2, frt. allid.....lb. .08½- -
Zone 3, frt. allid.....lb. .09 -
Zone 4, ex whse.....lb. .09 -

Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, tech., cns., works..lb. .28 - .28½
dms., c.l., dlvd.....lb. .25 -
l.c.l., dlvd.....lb. .25½ -
tanks, dlvd.....lb. .24 -

Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½ -
l.c.l., same basis.....lb. .20½ -
tanks, same basis.....lb. .18½ -

Triethyl phosphate, cns.....lb. .40 -

Triethylamine, dms., c.l., works, basis 100%..lb. .34 -
l.c.l., works, basis 100%.....lb. .36 -
tanks, works, basis 100%.....lb. .30 -

Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½ -
l.c.l., same basis.....lb. .19½ -
tanks, same basis.....lb. .17½ -

Trimethylamine, dms., c.l., dlvd. lb. .85 -
l.c.l., dlvd.....lb. .90 -

Trimethylolpropane, bbls.....lb. .65 -

Triphenyl phosphate, bbls., c.l., frt. allid..lb. .31 -
l.c.l., same basis.....lb. .32 -

Tripoli,[2] air-floated, bgs., c.l., works..ton.21.50 -
double-grd., bgs., c.l., works.. ton.17.50 -
once-grd., bgs., c.l., works.ton.16.00 -

Trisodium phosphate (see Soda phosphate tribasic).

Tuba root (see Cube root).

Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 3.40
Oxide, kgs.....lb. No price

Turmeric root, Alleppey, bls., futures..lb. .18 - .18½
Haitian, bls. .....lb. No stocks
Madras, bgs. .....lb. .17¾- .17¾

Turpentine, gum, ret. dms., c.l. gal. .93½- -
l.c.l. .....gal. .94½- -
tanks, Savannah.....gal. .83½- -
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 -
steam-dist., ret. dms., East, gal. .80 - .86
tanks, East.....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

Unicorn root, false (see Helonias root).
True (see Aletris root).

Uranium,[6] oxide, black, bgs...lb. 2.55 - -
yellow, kgs.....lb. 1.65 - -

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - -
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.00 - -

Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - -
l.c.l., ship. pts.....ton.70.50 -85.00
import., pure, cs.....lb. .12 - -

Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - -
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - -

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, c.l., ex dock, in bond. lb. .05625- -
Uva ursi leaves, bls.....lb. .16 - .17

V

Valerian root, Belgian, NF, bls. lb. No stocks
Indian, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices

Vanadium[3] pentoxide, CP, bgs., cns., works..lb. 7.00 - -
tech., dms., works.....lb. 1.10 - -

Vanilla beans, Bourbon, tins..lb. 7.75 - 8.00
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks

Vanillin,[3] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - -
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - -
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - -
smaller lots, tins.....lb. 2.40 - 2.50

Venice turpentine, artif., cns..lb. .24 - .28
Verdigris, bbls., bgs.....lb. .22 - .23

Vinyl acetate, cbys., works....lb. .25 - -
dms., c.l., works.....lb. .16 - -
l.c.l., works.....lb. .16 - -
smaller pkgs., l.c.l., works, lb. .25 - -

Vinyl ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - -
50 c.c., same basis.....bot. 1.05 - -
25 c.c., same basis.....bot. .65 - -

Trichloride (see Trichloroethane).

Vinylpyridin, ref. dms., works.lb. 1.50 - -
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).

Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).

Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 Nom.

Wattle bark,[3,6] E. Africa, bgs., f.a.s..ton.53.00 - -
S. Africa, merchantable, bgs., f.a.s..ton.53.00 - -

Available for immediate shipment

in compartment or straight tank cars

ACETONE
ALLYL ALCOHOL
ALLYL CHLORIDE
SECONDARY BUTYL ALCOHOL
TERTIARY BUTYL ALCOHOL
DIACETONE ALCOHOL
ISOPROPYL ALCOHOL (REFINED 99%)
ISOPROPYL ALCOHOL (REFINED 91%)
ISOPROPYL ETHER
MESITYL OXIDE
METHYL ETHYL KETONE
METHYL ISOBUTYL CARBINOL
(METHYL AMYL ALCOHOL)
METHYL ISOBUTYL KETONE

SHELL CHEMICAL CORPORATION

100 BUSH STREET, SAN FRANCISCO 6
500 FIFTH AVENUE, NEW YORK 18

Los Angeles · Houston · Chicago

Wattle bark, S. Africa, fair average, bgs., f.a.s..ton.55.50 - —
prime quality, bgs., f.a.s.. ton.58.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks, works.....lb. .04⅝- .05¼
solid, E. Afr., 68% tannin, ex dock..lb. .06596- .06846
S. Afr., 61% tannin, ex dock. lb. .0672- .0697
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .62 - .66
slabs, bgs.....lb. .60 - .63
crude, African, bgs.....lb. .49 - .51
Western hemisphere, bgs.lb. .57 - .60
refined, yellow, brick, bgs.lb. .56 - .59
cakes, cs.....lb. .55 - .57
Candelilla, crude, bgs.....lb. .74 - .75
refined, bags .....lb. .76 - .78
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 6½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.42 - 1.47
North Country, No. 2, bgs., ton lots..lb. 1.53 - 1.58
No. 3, bgs., ton lots.....lb. 1.48 - 1.53
refined, bgs., ton lots...lb. 1.60 - 1.65
yellow, No. 1, bgs., ton lots, lb. 1.80 - 1.85
No. 2, bgs., ton lots.....lb. 1.78 - —
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 122°-136° m.p., bgs..lb. .12½- .13½
138°-146° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - .22
Japan, cs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works..lb. .14½- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots, same basis, lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, crude, bgs., ton lots. lb. 1.10 - 1.15
refined, bgs., ton lots.....lb. 1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.
Spermaceti, blocks, cs.....lb. .27 - .33
cakes, cs.....lb. .28 - .33
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-floated, 360 mesh, 90¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 80%%, bgs., c.l., ton. 8.00 - 9.50
80%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.16.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .30
Wild indigo root, bls.....lb. .30 - .31
Witch-hazel leaves, bls.....lb. .21 - .23
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza, bls. .....lb. .24 - .25
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
West Minnesqua, Colo..gal. .26 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .23 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.

Yellow, benzidin, bbls., divd..lb. 1.35 - 2.25
cadmium, CP, bgs.....lb. 1.35 - 1.40
ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts .lb. .14 - —
Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
zianse, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs., lb. 2.43 - —
smaller lots.....lb. 2.45 - —
Ocher American, golden, bbls., works..lb. .04½- .05¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0645- —
l.c.l. .....lb. .0665- —
Persian orange (see O).
Yellow, zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochloride, vls..os. 8.00 - 8.75

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., divd.lb. .16 - .17
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12½
l.c.l., same basis.....lb. .12¼- .13¼
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37
Zinc dust,[6] bbls., c.l., divd..lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .35 - .39
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.....lb. 4.68 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .33
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., divd..lb. .07½- —
l.c.l., divd.....lb. .07½- —
American process, com'l, lead-free, bgs., c.l., divd..lb. .07¾- —
l.c.l., divd.....lb. .07½- —
leaded, 5%, bgs., c.l., divd..lb. .07½- —
l.c.l., divd.....lb. .07¾- —
85% or more, bgs., c.l., divd..lb. .07 - —
l.c.l., divd.....lb. .07¼- —
French process, com'l, lead-free, bgs., c.l., divd..lb. .07¼- —
l.c.l., divd.....lb. .07½- —
green seal, bgs., c.l., divd..lb. .09 - —
l.c.l., divd.....lb. .09¼- —
red seal, bgs., c.l., divd. lb. .08½- —
l.c.l. .....lb. .09¾- —
white seal, bgs., c.l., divd..lb. .09½- —
l.c.l., divd.....lb. .09¾- —
USP, ctns., c.l.....lb. .10¼- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ½c. higher than bgs.

—Continued on page 60

Horse Head Lead-Free Zinc Oxides

New Jersey Zinc

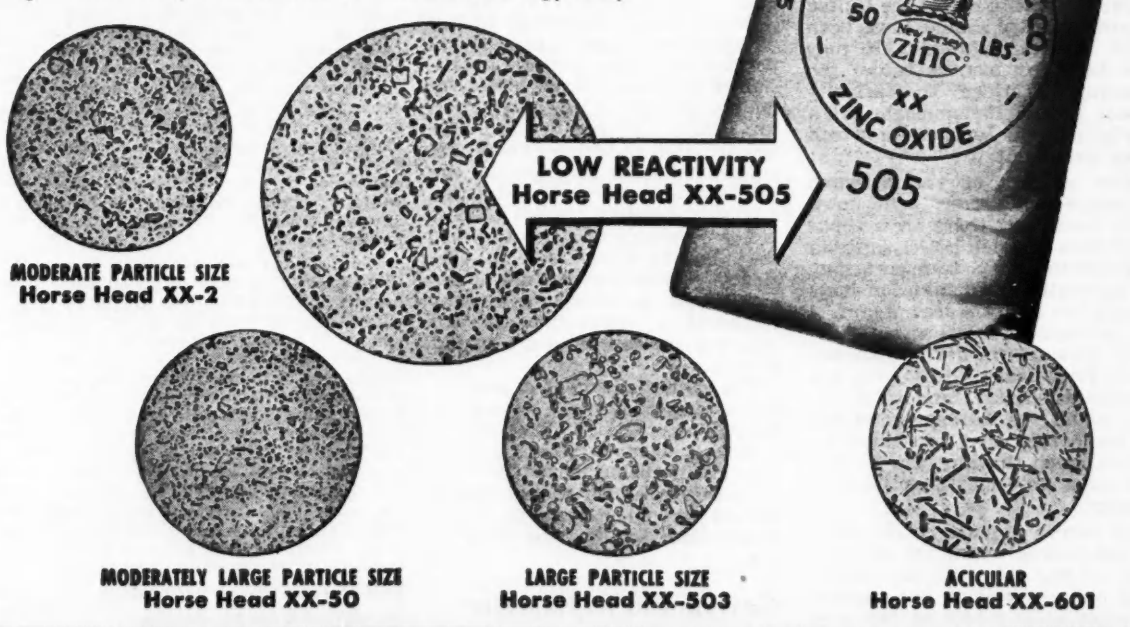
HORSE HEAD XX-505 ZINC OXIDE

Horse Head XX-505 is a zinc oxide of low reactivity. It was designed for use with vehicles that are too reactive with the regular types of zinc oxide.

Used in interior gloss paints and enamels, synthetic resin type exterior enamels and lacquers, house paints, trim and trellis paints.

Horse Head XX-505 has good color, gloss retention, durability and resistance to yellowing.

More information on all Horse Head lead-free zinc oxides is given in our Pigment Selection Chart. Send for a copy today.



THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.

Wattle bark, S. Africa, fair average, bgs., f.a.s.	ton.	55.50 - —
prime quality, bgs., f.a.s.	ton.	58.00 - —
extract,[1] liquid, 55% tannin, bbls., works	lb.	.05½- .06¼
tanks, works	lb.	.04¾- .05¼
solid, E. Afr., 68% tannin, ex dock	lb.	.05595- .05845
S. Afr., 61% tannin, ex dock	lb.	.0572- .0597
Wax, amorphous (see Wax, microcrystalline).		
Bayberry, bgs.	lb.	No stocks
Bees, bleached, USP, white, bricks, cakes, cs.	lb.	.62 - .65
slabs, bgs.	lb.	.60 - .63
crude, African, bgs.	lb.	.49 - .51
Western hemisphere, bgs.	lb.	.57 - .60
refined, yellow, brick, bgs.	lb.	.56 - .58
cakes, cs.	lb.	.55 - .57
Candelilla, crude, bgs.	lb.	.74 - .75
refined, bags	lb.	.76 - .78
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.		
Carnauba, chalky, No. 3, bgs., ton lots.	lb.	1.42 - 1.47
North Country, No. 2, bgs., ton lots.	lb.	1.53 - 1.58
No. 3, bgs., ton lots	lb.	1.48 - 1.53
refined, bgs., ton lots	lb.	1.60 - 1.65
yellow, No. 1, bgs., ton lots,	lb.	1.80 - 1.85
No. 2, bgs., ton lots	lb.	1.78 - —
Powdered carnauba prices, same differentials as powdered candelilla.		
Ceresin, dom., 122°-130° m.p., bgs.	lb.	.12½- .13½
139°-140° m.p., bgs.	lb.	.14 - —
158°-162° m.p., bgs.	lb.	.19 - .22
Japan, cs.	lb.	No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works	lb.	.14½- —
amber, ctns., smaller lots, same basis	lb.	.14½- .15½
black, ctns., 30 tons, same basis	lb.	.12¾- —
smaller lots, same basis	lb.	.13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis	lb.	.16½- —
smaller lots, same basis,	lb.	.16½- .17¼
black, ctns., 30 tons, same basis	lb.	.14¾- —
smaller lots., same basis,	lb.	.15 - .15¾
white, ctns., 30 tons, same basis	lb.	.24¾- —
smaller lots, same basis,	lb.	.25 - .25¾
Montan, domestic, bgs.	lb.	No stocks
Ouricury, crude, bgs., ton lots.	lb.	1.10 - 1.15
refined, bgs., ton lots	lb.	1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.		
Spermaceti, blocks, cs.	lb.	.27 - .32
cakes, cs.	lb.	.28 - .33
White lead (see Lead, white).		
White precipitate, powd., dms., 50 lbs. or more	lb.	2.50 - —
White pine bark, rossed, bls.	lb.	.16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l.	ton.	18.00 -22.00
l.c.l.	ton.	20.00 -24.00
wet-ground, bgs., c.l.	ton.	21.00 -25.00
l.c.l.	ton.	25.00 -29.00
gilders, bolted, bgs., c.l.	ton.	20.00 -24.00
l.c.l.	ton.	21.00 -25.00
extra-bolted, bgs., c.l.	ton.	22.00 -26.00
l.c.l.	ton.	23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E. works	ton.	6.00 - —
smaller lots, N.E., works.	ton.	7.00 - 9.00
wet-grd., air-coated, 360 mesh, 99¼%, bgs., c.l.	ton.	9.35 -10.10
200 mesh, 99¾%, bgs., c.l.,	ton.	8.00 - 9.50
80%, bgs., c.l.	ton.	6.25 - 7.00
water-floated, extra gilders, bgs., c.l.	ton.	10.00 - —
gilders, bgs., c.l.	ton.	12.45 - —
putty grade, bgs., c.l.	ton.	12.00 - —
Paris white, bgs., c.l.	ton.	24.00 -28.00
l.c.l.	ton.	25.00 -29.00
precipitated, bgs., c.l.	ton.	14.00 -15.00
l.c.l.	ton.	18.00 -20.00
Wild cherry bark, thick, bls.	lb.	.06 - .07
thin, natural, bgs.	lb.	.16 - .17
rossed, green, bls.	lb.	.25 - .26
Wild indigo root, bls.	lb.	.30 - .31
Witch-hazel leaves, bls.	lb.	.21 - .22
Witherite (see Barium carbonate, natural).		
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	20.00 - —
60 mesh, same basis	ton.	24.00 - —
80 mesh, same basis	ton.	27.00 - —
100 mesh, same basis	ton.	30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.		
Wormseed, American, bgs.	lb.	.20 - .22
Levant, bgs.	lb.	4.50 - 4.75
Wormwood, bls.	lb.	.50 - .60

X

Xanthorrhiza, bls.	lb.	.24 - .25
Xylene (see Xylol).		
Xylidin, mixed, dms.	lb.	.35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works	gal.	.31 - —
tanks, E. of Omaha, frt. alld.	gal.	.28 - —
West Minnequa, Colo.	gal.	.28 - —
10°, ret. dms., works	gal.	.34 - —
tanks, E. of Omaha, frt. alld.	gal.	.29 - —
8°, ret. dms., works	gal.	.41 - —
tanks, E. of Omaha, frt. alld.	gal.	.36 - —
3°, ret. dms., works	gal.	.47 - —
tanks, E. of Omaha, frt. alld.	gal.	.41 - —
Petroleum xylol prices, same as those for coaltar xylol.		

Y

Yara yara, cryst., bots., cns.	lb.	1.75 - 1.80
Yeast, brewer's dry, 50 B units, dms.	lb.	.33 - —
90 B units, dms.	lb.	.45 - —
200 B units, dms.	lb.	.50 - —
300 B units, dms.	lb.	.60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.		
Yellow, benzidin, bbls., divd.	lb.	1.85 - 2.25
Cadmium, CP, bgs.	lb.	1.25 - 1.40
ton lots, E. of Rockies	lb.	.55 - —
smaller lots, same basis,	lb.	.65 - —
sulphide, orange, cs., kgs., works	lb.	1.10 Nom.
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.16 - —
Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 3c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago.		
Dutch, pink, bbls.	lb.	.09 - .11
Genasse, bbls., same basis as chrome	lb.	1.37 - —
primrose, bbls., same basis	lb.	1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½- —
l.c.l., same basis	lb.	.05 - —
synthetic, bbls., c.l., works.	lb.	.0665- —
l.c.l., works	lb.	.0710- —
Mercury oxide, bbls., 1,000 lbs.,	lb.	2.43 - —
smaller lots	lb.	2.45 - —
Ocher American, golden, bbls., works	lb.	.04½- .05¼
yellow, bbls., works	lb.	.02 - .02¾
French type, bbls., c.l.	lb.	.0645- —
l.c.l.	lb.	.0665- —
Persian orange (see O).		
Yellow, zinc, bbls., same basis as chrome	lb.	.16 - —
Navy spec. type, bbls., contract	lb.	.16 - —
Yellow dock root, bls.	lb.	.35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).		
Yerba santa leaves, bls.	lb.	.30 - .32
Yohimbine hydrochloride, vis.	oz.	3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 - —
smaller lots, works	lb.	.30 - —
Zinc acetate, tech., bbls., divd.	lb.	.16 - .17
USP, bbls.	lb.	.26 - .27
kgs.	lb.	.29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾- .12½
l.c.l., same basis	lb.	.12¾- .13¼
Borate, bgs., c.l.	lb.	.12 - —
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾- .10¾
USP, precip., powd., bbls.	lb.	.25 - —
dms.	lb.	.40 - —
kgs.	lb.	.27 - —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.25 - —
gran., dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.50 - —
solution, 50%, dms., c.l., works	lb.	.0615- —
l.c.l., works	lb.	.04¼- .04½
tanks, works	lb.	.0350- —
USP, dms.	lb.	.30 - .31
jars	lb.	.35 - .36
Chromate (see Yellow, zinc).		
Cyanide, kgs., works	lb.	.33 - .37
Zinc dust,[2] bbls., c.l., divd.	lb.	.1035- —
l.c.l., works	lb.	.1135- —
Fluoride, bbls.	lb.	.35 - .39
Hydrosulphite, dms., works.	lb.	.16 - —
Iodide, NF, bots.	lb.	4.68 - 4.75
jars	lb.	4.40 - —
Laurate, bbls.	lb.	.32 - .33
Metal,[1] (quotations in Protective Coatings market).		
Naphthenate, 8%-10% Zn, dms.	lb.	.16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., divd.	lb.	.07¼- —
l.c.l., divd.	lb.	.07½- —
American process, com'l, lead-free, bgs., c.l., divd.	lb.	.07¼- —
l.c.l., divd.	lb.	.07½- —
leaded, 5%, bgs., c.l., divd.	lb.	.07¼- —
l.c.l., divd.	lb.	.07½- —
35% or more, bgs., c.l., divd.	lb.	.07 - —
l.c.l., divd.	lb.	.07¼- —
French process, com'l, lead-free, bgs., c.l., divd.	lb.	.07¼- —
l.c.l., divd.	lb.	.07½- —
green seal, bgs., c.l., divd.	lb.	.09 - —
l.c.l., divd.	lb.	.09¼- —
red seal, bgs., c.l., divd.	lb.	.08½- —
l.c.l.	lb.	.08¾- —
white seal, bgs., c.l., divd.	lb.	.09¼- —
l.c.l., divd.	lb.	.09¾- —
USP, ctns., c.l.	lb.	.10½- —
l.c.l.	lb.	.10¾- —
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ¼c. higher than bgs.		

—Continued on page 60

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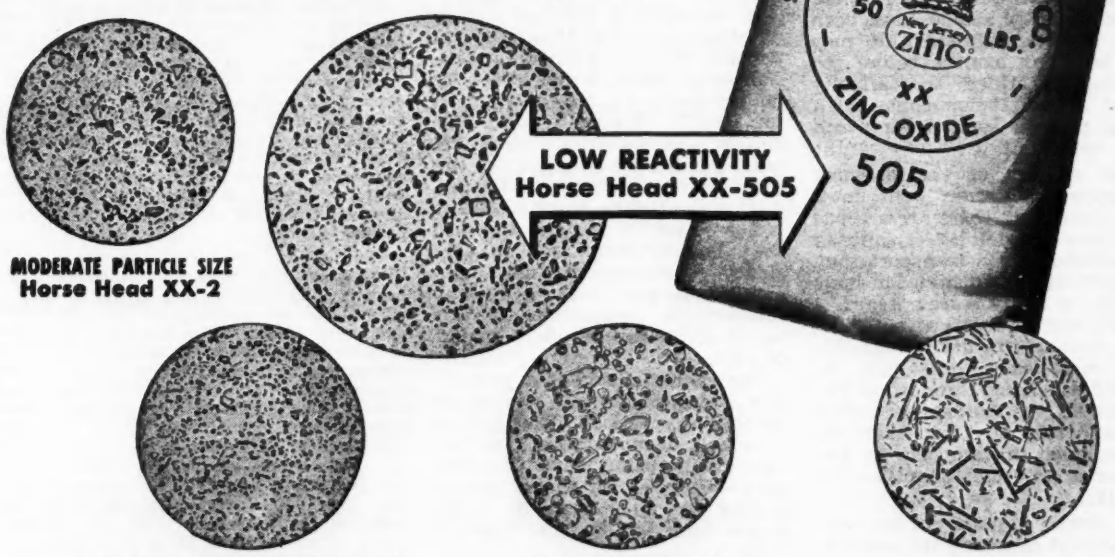

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Error and Waste

Postponement of the demonstration of the destructive power of atomic fission was a very wise move. To make the postponement indefinite would be wisdom indeed. The thing is wholly unnecessary. As a military gesture, it is fraught with serious phychological repercussions. It would, in truth, be a grievous military error. And it would be an economic crime, because in its wastefulness nothing can be expected to be satisfied except a slight measure of curiosity.

Nobody can explain the great difference between the mechanical and otherwise physical proficiency of the military mind and its psychological meagerness. In the area of a war of nerves, those who wage physical war can, with training, perform some useful tasks. Beyond that area, almost all of them can sense nothing as an impressive force beyond the pomp and circumstance in manifestations of armed might. And no evidence of their lack of commercial economic sense is needed other than the manner in which materiel and other supplies are often wasted and surpluses abandoned or destroyed.

This thoughtlessness destroyed invaluable electronic apparatus captured during the late war. It has more recently sunk twenty-four Japanese submarines because they were regarded as unfit for salvage. Other captured equipment has been similarly disposed of, while the world cries for iron and steel. It paid Japan to buy scrap metal in the United States for the building of its armament. Of course, the American standard of living would never countenance the hauling of captured Japanese guns and vessels to some place where they might be converted to the machinery of peace. It may come to pass that every smallest weapon of war which came into the hands of the United States military should have been kept and reconditioned. It may not be many months before the warships sacrified to curiouity about atomic fission could fill a useful place in services for which they were built.

The engines of the drowned Japanese submarines went down with them. But, there are a thousand uses for such powerplants in manufacturing, in transportation, in agriculture, in fishing, in lumbering—in many places. Again, it is, perhaps, at least within military circles, *infra dig* to associate such junk-dealer ideas with the exalted American standard of living, which, the Britons say, makes it mandatory that an American use as much shaving soap for five shaves as an Englishman uses for twenty.

Of course, it must not be overlooked that salvaging the machinery of war requires manpower. The national wisdom has dictated a policy of demobilizing the men and deserting the machinery, leaving it to take care of itself. The atmospheric conditions of international relations are not exactly calm today. Many industrial needs for metals and their products go unfilled. This, plainly, is no time for military error or economic waste.

Preventive Medical Care

Suggestions are coming along in the free-for-all squabble over the improving of the medical care of the public that a progam of prevention rather than cure be adopted. It is urged that medical service should be engaged for the purpose of keeping the individual well and be compensated on that basis.

Such a system of medical care has long been credited to the Chinese. If it has been applied in China—reliable confirmation has never been adduced—its scope was greatly limited: it might have been the practice of a few opulent families. But, British proponents of the idea declare that a system of paying a private physician for keeping a family, or other group, well is widely in use in Sweden.

The extent to which a system for preventive medical service could be applied to the general public is problematical. But, such a system certainly should be fully studied for application to industrial medicine. Its value in keeping employees—and management personnel—fit, would far exceed that of the usual doctoring to cure.

Application of a preventive system would not be easy, because of the necessity for constant observation and periodical examination which it entails. Some measure of similar requirements already exists in employment relations programs which include physical examinations. The idea is more commonly applied to testing for glasses or hearing aids than to the field of general medicine.

If employment relations are to be of their potential value in increasing efficiency, hence reducing costs, they must take care of the physical, as well as the psychological, factors that impede progress. Health is of great importance in both a physical and a psychological sense. It is most important, with the probable exception of nutrition, which comes in mainly because of its contribution to health. Proper regard for health and nutrition, therefore, must constitute a large part of the processes of employment relations. Advice will not be enough. And it is not necessary to stress the fact that the handicap laid on efficiency by time lost through illness makes most pertinent the ancient comparative evaluation of an ounce of prevention and a pound of cure.

The potentialities of a preventive system of medical service are great. The practicability of such a system is demonstrable. But, human nature being what it is—and isn't—service under such a system should be compensated on a per capita basis, not on any basis of time.

Government as Exporter

The detrimental results of the lack of understanding relationship between business and government are being emphasized by the dissatisfaction caused by the government's supplying for consumption in other countries commodities which are not adequately available for domestic needs. The detriment, in truth, frequently falls upon the domestic consumer far more heavily than upon business. Of course, the consumer is injured also, at least financially, when business loses sight of his condition and caters primarily to more profitable foreign markets.

The loss of such parts of those markets as it might even wisely handle is, naturally, an influential factor in the growing antagonism of business toward the government's role of purveyor to the rest of the world. This situation also reacts detrimentally on the relations of government and business in the opposite direction: government frowns upon the forsaking of domestic markets in order to increase profits. In its supplying abroad it usually pays no more than the domestic price; the biggest kicks have come when it has paid less, although it is difficult to decide that the blame does not lie more largely on the seller favoring the government in price.

Sulphate of ammonia, nitrate of ammonia, rosin, fats and oils, and essential oils are prominent among commodities with which the government is charged with being too generous toward foreign consumers. Some of these materials go out mainly under some of the several relief programs in which the United States has the major providing part. This is not true in all instances; much of the supplying springs from commitments in political economy which are subject to a wide range of evaluation, depending on the basis.

From the standpoint of social economy it is commendable that the United States endeavor to alleviate a goodly measure of the needs arising from war. It is meet that its people should accept a goodly measure of sacrifice. In both instances this has been true, and that is one reason why the much-feared Winter has been passed with far less suffering among the needy than was expected. It is good that the United States adopt a political economic policy which will further the general economic relief of war-suffering peoples. It is desirable that this country be not taken in by political opportunists in other lands. And behind it all is the hard fact that, in the long run of human welfare, it is commercial economy that counts for most. So, in a commendable desire to be charitable and in a wise regard for expediency, the government of this country should not jeopardize or even slightly damage the livelihood of its own people.

The supplying of goods for the war-maimed lands of the Eastern Hemisphere should be regarded as a matter of business. All dealings should be open and direct with business. It is possible to believe that such would be the situation —if government were less suspicious of the motives of business and better convinced of the virtue of its practices. The lack of confidence, in turn, stems from the failure of business and government—the blame is not unilateral —to make an earnest, honest effort to know one another as each should be known.

Washington Talks It Over

—*Continued from page 5*

for planting in the Spring relatively free of weeds and also free of the killing chemical.

Much depends, however, on the kind of plants to be put in the treated area and whether the area is a type that retains its moisture or is dry. Mustard is very sensitive to 2:4-D, and germination of mustard seed is seriously retarded by such a low concentration as one part *in* 4,500,000 parts of moist soil. Barley is very resistant, however.

Recent successful experiments of scientists in tests along these lines are believed to hinge on the fact that the herbicidal power of 2:4-D is not lasting in moist soil. On the other hand, when the soil is very dry, the chemical may retain its power to kill sensitive weeds for a year or even a year and a half.

Grain for Food or Drink

Ever since the government launched its drive for conservation of grains to feed Europe, a movement has been afoot on Capitol Hill to place a ban on the use of any grains for the production of whisky or other "nonessential" products. A number of bills along these lines have been introduced in both house and senate, accompanied by speeches decrying such waste of grain. But, thus far they have all fallen flat on the ears of the powers that be.

The distillers are consuming something in the neighborhood of 4,500,000 bushels to 5,000,000 bushels of grains—wheat and rye—monthly in the production of whisky. The fact that this monthly consumption is so small in comparison with the total production of these grains annually is one of the reasons why the Department of Agriculture won't cut off the supply to the distillers. Another is the loss of jobs that would result, and a third and important reason, is that some of the distillers operate stockfeeding pens on the slop from their operations, which in itself helps to lessen some of drain on grain supplies for feeding purposes.

Blacklist Still Functions

Exporters are cautioned that, just because there has been a relaxation of restrictions in communications between the United States and the rest of the world, they still better watch their step in attempting to have any dealings with persons or firms on the blacklist. This list is still very active and the State Department has let it be known that it continues to be the avowed policy of this government to apply a vigorous enforcement program against dealings with those on the list.

There has been some belief that, just because a person or firm has been removed from the list, business relations can be resumed with it. Such is not the case. The removal of a name from the blacklist does not imply that the firm is a satisfactory representative for American business. Some deletions are made with prejudice and some without.

The first thing for anyone to do who wants to re-establish business relations with a firm that formerly was on the blacklist is to check with the Commercial Intelligence Branch of the Department of Commerce as to the desirability of such relations. The branch is prepared to supply information about the local standing of persons and firms and to submit detailed information about the suitability of them as trade connections from a commercial and mercantile standpoint.

Foreign Loans Circumscribed

Present and proposed limitations on the lending authority of the Export-Import Bank make it clear that the United States has no intention of granting any other nation as large a credit as that proposed for Great Britain. The proposed loan to Britain, requiring congressional authorization, is a special case; no other country has the same crucial position in world trade.

Credits extended by the Export-Import Bank are being viewed by officials largely from the standpoint of the needs of war-expanded American industries for foreign markets. Another important factor is the commitments which the borrowing nations may be willing to make with respect to our program for multilateral, nondiscriminatory world trade.

The United States will insist that France, in return for any credit, agree to the removal of quota restrictions and import controls which form a barrier to world trade. China is high on the list of nations likely to receive a fairly substantial credit. If Russia is granted a credit, there will be occasion to obtain assurance of her willingness to establish economic relationships conducive to an enduring expansion of trade.

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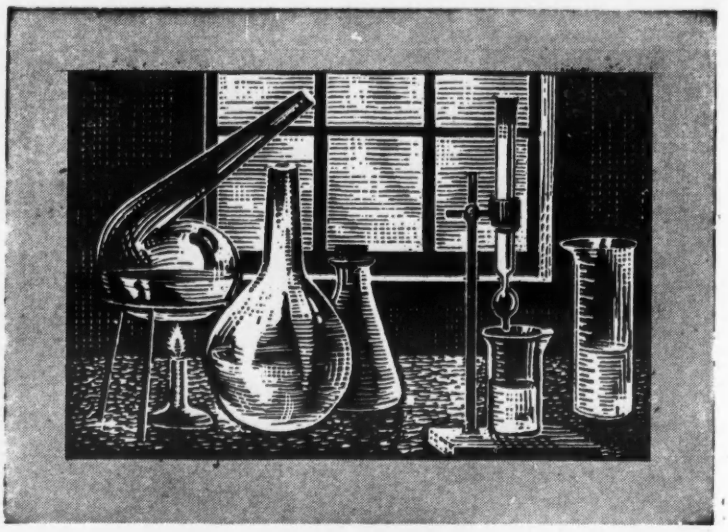

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Heavy Chemicals

Shortages of heavy chemicals have been emphasized during the past week. Aside from the continued stringency in soda ash, caustic soda and the phosphates, chlorate of soda demand has run heavily over production and so much oxalic acid business has been placed that a decisive date for options is almost unobtainable. Zinc sulphate was exceedingly scarce for anything like nearby shipment with some producers describing the current situation as "fantastic." No break in the copper sulphate strike at two producing plants took place, although a ray of hope was expressed by reports from Denver where a fact finding board was attempting to work out a solution to the copper metal controversy. White sal ammoniac remained short and there was no improvement in the supply of arsenic. Nickel sulphate appeared to have improved its inventory position and sulphuric acid looked better except in certain southern areas where high transportation charges to move material have disrupted shipments to consumers.

Nine wholesalers of industrial chemicals, reporting to the Bureau of the Census aggregate sales of $693,000 in February showed a gain of 9 percent and an inventory increase of 5 percent. In comparison with February, 1945, their sales were up 4 percent and their inventories were down one percent.

Paper production as a percentage of six-day capacity was 104.9 in the week ended March 30, according to the American Paper and Pulp Association. This compares with 105.0 in the previous week and 88.9 percent a year ago.

Alumina Sulphate—Exports in December amounted to 5,141,000 pounds. Total export shipments for the year 1945 were 75,944,000 pounds, compared with 82,568,000 pounds in the preceding year.

Ammoniac Sal—So far the market for white granular has not shown any appreciable easement in regard to supplies. Demand, principally from the dry battery manufacturers, has more than offset increased production of sal ammoniac. It is stated the addition made to the producing plant is now running at capacity.

Antimony Oxide—Available stocks somewhat tighter but limited quantities could be purchased for home and export. Market subject to allocation control. Stocks of sulphide fair with prompt shipments obtainable.

Bauxite—Arrivals of 3,470 tons of bauxite ore were noted last week, also 1,400 bags of bauxite residue.

Bleaching Powder—December exports registered 469,000 pounds. Exports for the year 1945 amounted to 3,489,000 pounds, compared with 5,081,000 pounds in 1944.

Borax — Export shipments were larger last year. Total exports in 1945 were 46,477,000 pounds, compared with 37,083,000 pounds in the preceding year.

Copper Sulphate—No break developed in strike conditions at two major producing plants. At Denver, a fact-finding board was trying to work out a solution to settle the copper strike. A settlement of the copper dispute is really the key to developments in copper sulphate. If the ceiling is raised on the metal, there should be a reflection in copper sulphate prices. Meanwhile, the agricultural demand has increased sharply. At present, it looks as though stocks can be stretched over to meet agricultural requirements. The call has covered most of the New England states and down the coast to Maryland. Maine has not come in strongly but is expected to before the end of the month. The government has continued to hold a clamp on export shipments.

Defluorinated Phosphate Rock—Heavy inventories of this material have been drained and only enough stock is said to be available to satisfy existing contracts. The major producing plant has temporarily suspended operations and expects to resume activities in July. The suspension was necessary on account of the removal of plant operations. The active buying movement that has featured the market during recent months was confined entirely to live-stock feeders and was inspired to a large extent by the continued shortage of bone meal.

Market Trends

Prices Advanced

Prices Reduced

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(*For Current Prices see page 9*)

Lead Acetate—Issuance of a new order, known as chemical order L-354 further restricts the amount of lead that may be used in lead chemicals. Second quarter allocations of pig lead have been cut 10 percent by the Civilian Production Administration.

Nickel Sulphate—Seemed to be in somewhat better shape for reasonably prompt shipment. Not enough stock to cover export inquiries at this time but domestic platers are finding the supply problem improved, compared with a month ago.

Potash Carbonate—Stocks short and balance not entirely restored to market after recent heavy buying movement in the calcined grade for agriculture. In addition, the glass industry has called for increasing amounts of material. In general, the supply situation has shown improvement with possibilities of a normal market in the near future.

Potash Chlorate — Continued to maintain a well balanced market condition with no excess stocks available. Chlorate of soda was exceedingly active with demand expanding farther ahead of the current producing level. Shipments while heavy are running behind schedule and from the present amount of orders placed, it looks as though it will be well into the Fall months before any permanent easement in the supply can be expected.

Salt—Department of Agriculture purchased 10,300,000 pounds of table salt for $92,134, f.o.b. works, in Februthe Department in 1946.
ary. This was the first transaction by

Soda Ash—Maintenance of heavy consuming demand, which seems to be expanding with each successive week, has outdistanced production of both light and dense soda ash. Under these circumstances, the market's supply position has continued exceedingly tight for bulk and in bags. At present there is no indication of a let-down in demand and it looks like a tight market for an indefinite period. Exports of carbonate of soda in 1945 aggregated 140,806,000 pounds against 158,696,000 pounds in 1944.

Soda Bicarbonate—Exports showed an increase last year. Total shipments in 1945 amounted to 33,104,000 pounds, compared with 28,342,000 pounds in 1944.

Soda, Caustic—No easement in the supply position in liquid, ground, flaked, powdered or solid. Heavy demand from major consuming industries hold the market in an exceedingly tight condition. Electrolytic production has built up chlorine inventories which prevents any improvement in caustic output from this source at present. Exports last year revealed a decline. The total for 1945 was 184,004,000 pounds, against 242,788,000 pounds in 1944.

Tin—Final allocations of pig tin for the first half of 1946 totaling 18,300 tons, the indicated available supply, were announced by the Combined Tin Committee through the Civilian Production Administration. The United States heads the allocation list with 6,650 tons. Other recipients of sizeable tonnages included France with 4,260 tons, United Nations and Rehabilitation Administration 3,000 tons, and Canada, 1,500 tons. The committee was careful to point out that the allocations applied to pig tin only. Tin concentrates (ores) and products containing large percentages of tin,

For Late Market Developments, See Page 4

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such as solders, are not covered under the allocation agreement.

Zinc Sulphate—Very little inventory stock available. Most producers have their output entirely sold ahead. Market has felt the impact of heavy buying for use in the manufacture of rayon, while consumption in agriculture has been steadily expanding.

Acids

Acetic—Export shipments in December amounted to 343,000 pounds. Total exports for 1945 were 1,831,000 pounds, compared with 948,000 pounds in the preceding year. Total importations of acid testing 65 percent or more in 1945 were 15,124,000 pounds, against 6,382,000 pounds in 1944.

Chromic—Slight improvement was reported in the supply position for domestic use although inventories were not sufficient to take on export trade. The market remained sensitive and the supply may tighten easily if the automobile production increases.

Naphthenic—Has assumed a favorable supply condition. Demand was fair for home use with orders also accepted for export shipment.

Oxalic—Heavily sold ahead with market probably tighter than at any time this year to date. Large producers hesitate about naming shipments and it is doubtful if much business would be considered nearer than July or August. Meanwhile the export market is practically bare of material. Total exports in 1945 were 1,696,000 pounds, against 1,652,000 pounds in 1944.

Sulphuric—Over 180,000 tons of excess sulphuric acid in the form of oleum and spirit acids have been declared surplus by the Army Ordnance Department since V-J Day. The demand so far this year for fertilizer has been exceedingly heavy and stocks in some areas have been well drained. Demand from steel mills fell off for galvanizing during the recent strike but has been rapidly restored of late. Inquiry from the chemical and petroleum industries is reported to have averaged above normal. Stocks are short in some areas, particularly at some points in the South. Otherwise, requirements appear to have been covered on a fairly prompt basis. The shortages noted seem to have been brought about by transportation problems, confined mostly to superphosphate manufacturers. High transportation costs on long hauls resulting from a readjustment of supply sources have occasionally led to difficulties.

Baltimore, April 5.—There have been no developments calculated to lessen the demand for sulphuric acid, aside from

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Advanced by Monsanto

Donald Dunwody has been appointed assistant branch manager of the New York sales district of the phosphate division of the Monsanto Chemical Company, St. Louis. Mr. Dunwody has been a resident salesman in New York for the company since 1935. He was recently discharged from the Navy with the rank of Lieutenant-Commander.

the diminution of the uses in war and the less active application for experimental purposes. Production, therefore, goes on as usual, except, that the cost of manufacture is becoming more expensive. However, these civilian requirements are not to be slowed up by some rise in cost, which is taken care of by calculations. As it takes only a very small force to run an acid plant, the operation brings no complications, and all requirements are being provided for readily, with acid-making materials apparently moving freely. An occasional breakdown in a plant involves no embarassment, as any shortage created can be readily made up by other plants.

Obituaries

—Continued from page 4

studied at Oxford and Heidelberg as a Guggenheim fellow in 1934.

Dr. Bergstrom did much original research in the chemistry of nitrogen compounds and during the war was in charge of a government project dealing with research on anti-malarial compounds. He was a member of the American Association for the Advancement of Science and the American Chemical Society.

John A. Corson

John A. Corson, assistant secretary and in charge of exports and imports for Dodge & Olcott, Inc., essential oils and aromatic chemicals, New York, died in Hewlett, L. I., April 3. Mr. Corson, who was seventy-four years old, had been with the company for forty-seven years.

Dr. R.W. Cornelison

Dr. Robert W. Cornelison, president and founder of the Peerless Color Company, Plainfield, N. J., died in Somerville, N. J., March 31. He was seventy-six years old. Dr. Cornelison, a chemist, graduated from the University of Illinois in 1890 and three years later from Harvard. He organized the Peerless company in 1916 to make dyes for cotton textiles.

Daniel J. Davies

Daniel J. Davies, Newfoundland trade commissioner, died March 31 in London. He was sixty-six years old. Mr. Davies, a Welshman, went to Newfoundland in 1911 and shortly thereafter became government chemist. He was high commissioner in London from 1930 to 1933, but returned to Newfoundland in the latter year as chairman of the Newfoundland Fisheries Board. He was named trade commissioner in 1934.

Arthur S. Dwight

Arthur S. Dwight, president of the Dwight & Lloyd Sintering Company and the Dwight & Lloyd Metallurgical Company, both New York, died in Hobe Sound, Fla., April 1. He was eighty-two years old. Mr. Dwight was co-inventor with R. L. Lloyd of the sintering process for extracting metals from ore which is now used extensively throughout the world.

Edward H. Mayo

Edward H. Mayo, credited with being the first to make sulphate paper pulp from Southern pine, died in Mobile, Ala., March 31. He was seventy-seven years old. It was in Orangen, Tex., that Mr. Mayo produced his first batch of sulphate pulp in 1911.

Albert B. Fales, father of John H. Fales, of the wholesale department of the American Agricultural Chemical Company, died March 25. He was a resident of Wellesley Hills, Mass., and was eighty-six years old.

John C. Inge, president of Inge & Co., international shipping agents, New York, and vice-president of and sales manager of A. M. Tenney Associates, Inc., sales representative of the Tennessee Eastman Corporation, Kingsport, Tenn., died in Hackensack, N. J., March 31. He was fifty-five years old.

Frank A. Stoneback, who retired twelve years ago as manager of the export trade department of Socony-Vacuum Oil Company, New York, died in East Orange, N. J., March 30. He was seventy-one years old.

John W. Williams, a former vice-president of the Gulf Refining Company, died in Pittsburgh, April 3. He was seventy-five years old. Mr. Williams retired from Gulf eleven years ago because of failing health.

Chemical Workers Weekly Earnings Increase

Weekly earnings of factory workers in chemical and related fields showed a light increase in January, 1946, as compared with December, 1945. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Jan., 1946	Dec., 1945	Nov., 1945
Chemical and allied products	$42.78	$42.62	$42.10
Ammunition	42.89	42.32	41.80
Chemicals	50.76	49.56	49.25
Cottonseed oil	29.76	29.94	30.92
Drugs, medicines, insecticides	37.59	36.53	35.84
Explosives, safety fuses	46.96	48.90	45.15
Fertilizers	30.36	30.54	30.87
Paints and varnishes	45.18	45.48	45.56
Petroleum refining	54.57	55.42	56.21
Rayon, allied products	38.85	39.64	39.21
Soaps	48.17	48.20	46.17

APC Offers Final Data On Chemical Abstracts

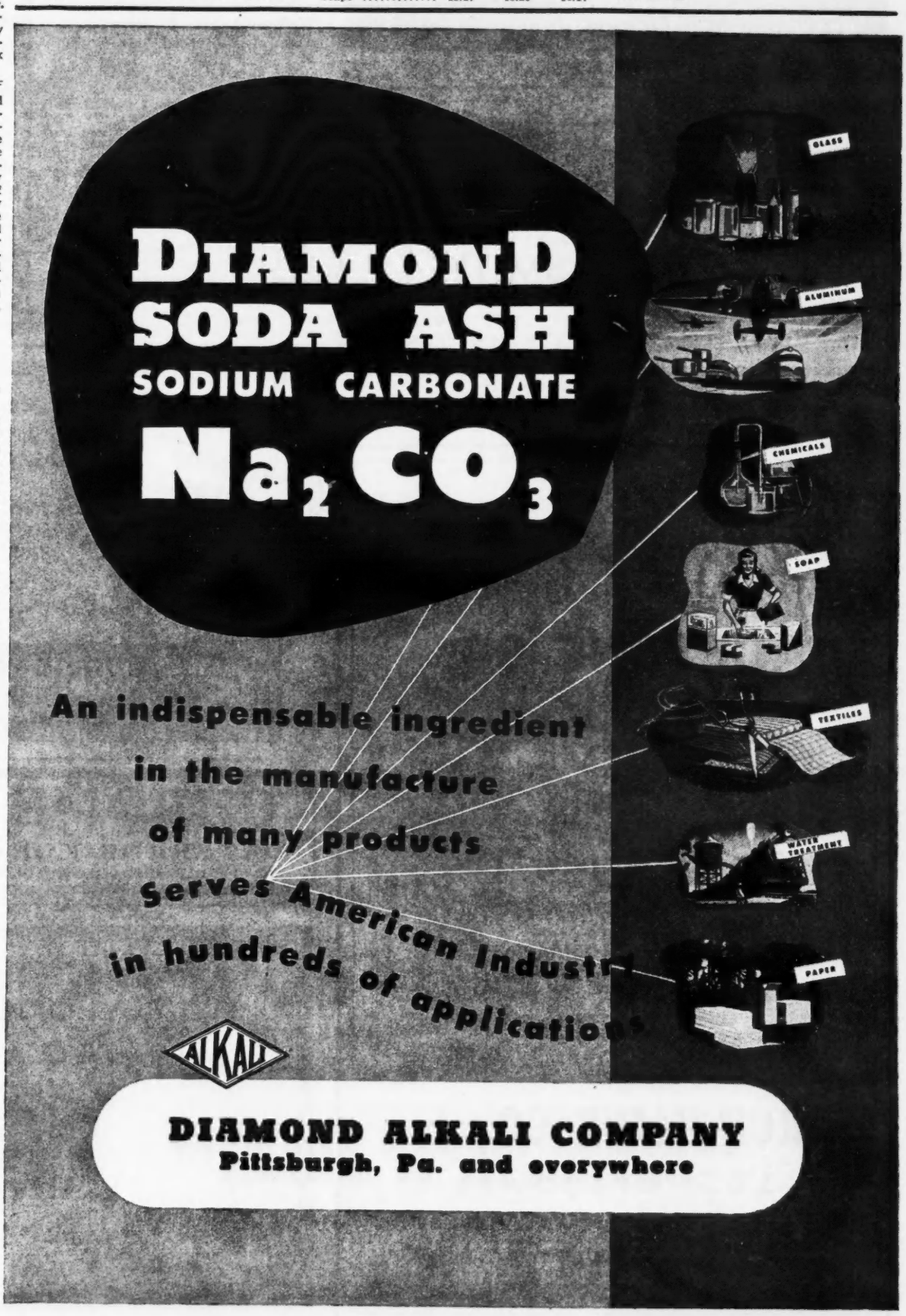
OPD Washington Bureau

Alien Property Custodian James E. Markham has announced that the second and final supplement to the abstracts of vested chemical patents is now available.

Mr. Markham said the supplement contains abstracts of about 800 patents and patent applications vested since publication of the first supplement in 1945.

The abstracts are grouped into 31 fields, Mr. Markham explained, ranging from heavy chemicals, drugs, foods, unit processes and ceramics, to plastics, pulp and paper, rubber and petroleum.

Both the first and the second supplements may be purchased from the Office of Alien Property Custodian, Chicago 3, Illinois, for one dollar each. The set of original abstracts, covering about 8,000 patents in the chemical field, may be obtained for $25 from that office.



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Beryllium Alloying Plant to Be Sold

OPD Washington Bureau

The land, buildings, machinery and equipment of the beryllium alloying and fabricating plant operated by the Beryllium Corporation of Pennsylvania, Reading, Pa., will be sold to the lessee for $788,210 in cash, subject to the priority right of Federal government agencies, the War Assets Corporation has announced.

The facilities being sold include 12 acres of land, 11 buildings of brick and wood frame and brick and steel frame construction with a floor area of 76,658 square feet and 652 items of machinery, equipment, tools and instruments. Total actual cost of the facilities amounted to $1,646,135, cost of the land and buildings being $1,052,667 and machinery and equipment, $593,468. The present fair value of the land and buildings is estimated at $430,000 and present fair value of machinery and equipment, $358,210. the total fair value being $788,210, the exact equivalent of the sales price.

Webster Leaves Picatinny Arsenal Analytical Lab

Granville E. Webster has retired as chief of the analytical laboratory of the technical division of Picatinny Arsenal, Picatinny, N. J., after thirty-four years service. Mr. Webster started with the War Department in 1908 as a chemist at the arsenal in Watertown, N. Y.

East Asiatic Adds Two To Export Purchasing Staff

Henning Jensen and Robert G. Furst, recently released from the Armed Forces, have returned to the export purchasing department of the East Asiatic Company, New York. Mr. Jensen will deal in chemicals and Mr. Furst in steel products.

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The War Assets Administration is offering the following plants for sale or lease:—

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Two refineries in Ponca City, Okla., operated by Continental Oil Company, one produced toluene and the other octane gasoline. War Assets Administration, Railroad Retirement Building, Washington 25, D. C.

Four oil refineries in Texas, operated by Southport Petroleum Company of Delaware, Texas State Highway No. 146, near Texas City; Republic Oil Refining Company, Texas State Highway No. 145, near Texas City; Eastern States Petroleum Co., of Texas, Manchester District, Houston, and Crown Central Petroleum Corporation, Pasadena, Texas. War Assets Administration Plant Disposal Division Railroad Retirement Building Washington, D. C.

Two 100-octane gasoline refineries, Norwalk and Bakersfield, California, one operated by the Wilshire Oil Company, the other Mohawk Petroleum Corporation, War Assets Corporation, Railroad Retirement Building, Washington 25, D. C.

Alumina reclamation plant, two miles north of Mobile, Alabama, operated by the Aluminum Ore Company, War Assets Administration Regional Office, Comer building, Birmingham, Ala.

Two Michigan war plants—The McAleer Manufacturing Company, aluminum powder plant, Rochester, and the Camfield Manufacturing Company, electrical plant, Grand Haven, War Assets Administration Regional Office, 535 Griswold street, Detroit, Michigan.

Pfizer Elects Grimm And Davenport to Board

Chas. Pfizer & Co., manufacturing chemists, New York, has elected to the board of directors Norman A. Grimm, manager of the Chicago office, and John L. Davenport, superintendent of the company's works.

Penicillin Efficacy

—Continued from page 3

that is most recently known to exist. Each of them shows up in the finished product, but just what proportion of each is contained therein cannot be determined without several weeks of analytical testing. It is understood that there is some preliminary evidence that penicillin K is not so effective as the other three, and it is said that every manufacturer of penicillin is trying to rule out K through the use of precursors.

Whether or not penicillin is the proper agent for the treatment of syphilis has long been a debatable question. Syphilis has never been listed in the Keefer report of diseases and dosages as an ailment that can be remedied with penicillin. There are indications that penicillin was an effective agent in this disease, but its position has never been definitely defined and additional experimental work has been considered necessary. A subcommittee, headed by Dr. J. Earl Moore, of Johns Hopkins, of the Office of Scientific Research and Development has had the matter under study for more than a year but as yet had made no report on its findings. It is believed that the subcommittee doubts the efficacy of penicillin for this purpose, but this has not been confirmed.

Insofar as the Food and Drug Administration is concerned, Dr. Robert Herwick, chief of the Drug Division, says the agency has never certified penicillin for the treatment of syphilis and has required that any manufacturer who seeks to include syphilis in his labelling of penicillin exclude all reference to this disease. He indicated that the agency would continue this policy until syphilis is included in the Keefer report.

It is the policy of FDA, he stated, to permit in the labeling of penicillin the inclusion of only those diseases which are included in the Keefer report. In response to inquiries about reports that present-day penicillin is not proving as efficacious as that made in the past, he said:—"As far as we know now there is no evidence to support reports that penicillin is not efficacious for the diseases listed in the Keefer report."

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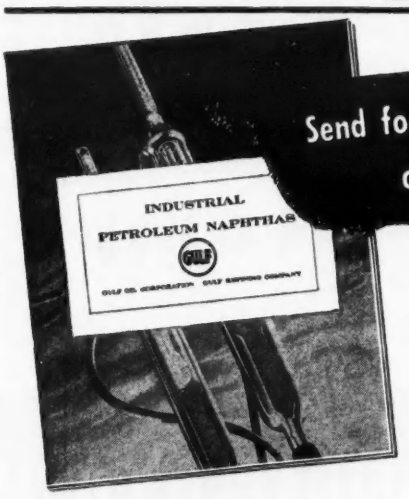

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Petroleum Derivatives

Surpassing the excitement incident to the first markup of crude oil prices since the pre-Pearl Harbor days, marketing operations in virtually all petroleum chemicals have mounted to unprecedented heights within the past week. Compared with this, the renewed clamor of the thoroughly integrated petroleum companies for removal of price controls on all petroleum derivatives and the unabated complaints of shortages in bunker and other residual fuel oils, which the recent big advance in the ceiling prices of these oils has so far failed to relieve, have faded into insignificance.

With calls for almost all the petroleum solvents reaching a deafening roar, the supply situations in most of these solvents, especially in the petroleum alcohols and ketones, have become exceedingly tight. But, despite this rising tension, a huge movement has been recorded in acetone, the butyl alcohols, diacetone alcohol, isopropyl alcohol, methylamyl alcohol and methylethyl ketone.

Operations in tetraethyl gasoline and aviation gasoline have been restricted by an amendment to the lead chemicals regulation made by the Civilian Production Administration which has rewritten it so as to make a new order, designated as L-355, prohibiting the use of aviation ethyl fluid in the production of motor gasoline while limiting the use of aviation ethyl fluid in motor propelled vehicles, trucks, tractors or boats to an 80-octane content and requiring CPA approval for the production of 100-octane aviation gasoline; also limiting the use of delivery of the ethyl fluid beginning with this month to 27 percent monthly of the amount used in the three-month period of last November, December and January.

Petroleum Chemicals

Acetone—Moving in sizable volume into consuming channels, with capacities of some of the largest producing plants sold well ahead.

Allyl Alcohol—In unabatedly brisk demand from the makers of synthetic resins and plastics. Supply, however, is proving adequate for meeting current requirements.

Allyl Chloride — Continues in spirited request, with stocks liberal enough for present needs.

Butyl Alcohol—Buying interest is growing keener daily in normal, secondary and tertiary butyl alcohols as well as in secondary butyl acetate. Prices of normal butyl alcohol, produced in Illinois and Indiana, have been marked up 2c. per pound as of April 1.

Isopropyl Alcohol—A constantly increasing call is noted for this product made from petroleum and also for isopropyl acetate and isopropyl ether.

Methylethyl Ketone — With the mounting outturn of motor vehicles, the demand for this material of petroleum origin is growing to large proportions for use in the making of cellulose lacquers for automotive finishes.

Xylol—In heavy demand as a base for aromatic solvents, with supply proving adequate for all requirements. One large refining plant in Texas, engaged in the making of both xylol and toluol, is devoting the greater part of its fractionating capacity to the production of petroleum xylol.

Solvents and Diluents

Aromatic Solvents—The paint and varnish industry continues to buy extensively by both the xylol-based and toluol-based high-solvency aromatic naphthas. Processors are well supplied with xylol and stocks of toluol are still overplentiful.

Cleaners' Naphtha—Moving seasonally in sizable volume into civilian consuming channels but in steadily diminishing quantities on military account.

Lacquer Diluent—Still in brisk demand.

Mineral Spirit—Buying interest continues keen in this material.

Stoddard Solvent—Purchasing operations in this solvent continue heavy on civilian account but light on military scores.

V. M. & P. Naphtha—Still being taken up in sizable quantities by paint and varnish makers.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see page 9)

Markets at Other Centers

Chicago, April 5.—An active demand is reported for all representative items in the petroleum solvents and diluents category in this area. Special activity is noted in rubber solvent. In general, the market is firm.

Los Angeles, April 5.—The call for petroleum solvents and diluents continues spirited in this area. Liberal supplies are still making the market active.

Lighter Fractions

Butane—Continues in moderately keen demand for synthetic rubber making and for the generation of intense heat in certain industrial processes, although in steadily lessening request for high-octane gasoline production, which has latterly been restricted by the new lead chemicals order L-355. Supplies, while adequate, are still far from excessive.

Heptane—In only light inquiry.

Hexane—Still in fair request.

Octanes—Moving in steadily lessening volume.

Pentanes—Civilian buying interest keeps up well, but purchasing on military account is becoming slimmer daily.

Propane—Market conditions in this liquefied petroleum gas are almost exactly the same as those prevailing in butane.

Markets at Other Centers

Chicago, April 5.—Inquiry and orders in liquefied petroleum gases continue brisk. Tone of the market in this area has shown no change in recent months in the overall situation. Buyers are still inquiring.

Los Angeles, April 5.—Propane and butane continue to move in steady volume in this area. Supplies on the Pacific coast are good.

Petrolatums and Waxes

Microcrystalline Waxes — Continue in keen demand and insufficient supply for all domestic and export needs.

Paraffin—With the takings of both crude scale and refined grades still reaching record proportions, it has been found impossible to accumulate stocks of any size.

Petrolatums—In unabatedly spirited demand with prices firmly maintained.

White Mineral Waxes—Both U.S.P. and technical grades continue to move in considerable volume into consuming channels.

Fuels and Lubricants

Crude Petroleum—Following announcement of OPA's ruling advancing producers' ceiling prices for crude petroleum in all the American oilfields by 10 cents per barrel, effective April 1, all the thoroughly integrated petroleum companies, which have to buy crude oil to supplement their own production, have announced that they have incorporated the designated increase in their posted prices.

The independent producers, who do not carry on other petroleum operations, such as refining, will be the chief beneficiaries of this crude oil price markup. They yield only about 40 percent of the total crude oil output but represent at least 95 percent of the total producers.

The ten-cent increase in prices of crude oil, based on a prospective 1946 production of 1,500,000,000 barrels, will mean an additional $150,000,000 annually to these producers.

The National Crude Oil Industry Advisory Committee, which had recommended an increase of 35 cents per barrel, is by no means satisfied with the ten-cent advance and is endeavoring to have all price controls on crude petroleum and its derivatives lifted.

For Late Market Developments, See Page 4

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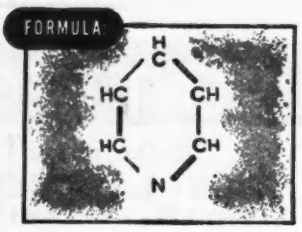
PYRIDINE

DEFINITION: One of the liquid nitrogen bases formed during the destructive distillation of coal. Many related nitrogen compounds—so called "pyridine bases"—are recovered during the purification of pyridine.

HISTORY: Discovered and isolated in a pure state from bone oil by T. Anderson in 1846. It was one of the earliest denaturants for alcohol.

FORMULA:



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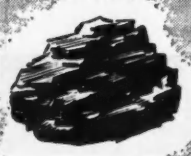

SOURCES: Pyridine is sometimes found in tobacco smoke, and has been isolated from bone oil, shale oil, lignite oils and certain petroleum oils. The chief commercial source is coal tar.

CHARACTERISTICS: Pyridine is a colorless liquid with a penetrating odor. It boils at 115° C and freezes at —42° C (—43.6° F) and is highly refractive to light. It weighs 8.20 pounds to the gallon. It will dissolve in water, alcohol, ether and combines with acids. It has antiseptic properties.

USES: Used in the manufacture of dyes and accelerators for rubber vulcanization, in waterproofing agents for fabrics and in the production of Niacin and sulfa drugs. Related bases are also used for synthesis of Niacin, a chemical of wide application as a vitamin in food enrichment.

GRADES: Classified on the basis of maximum distillation range in Degree Centigrade (of each type), as 2°, 10°, 15°, 20°, 30°, 50° to meet varying requirements. In addition, semi-refined or commercial grades are supplied. All grades are shipped in steel drums.

NOTE: Deliveries today are restricted by the primary requirements of pyridine for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

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ALLIED CHEMICAL & DYE CORPORATION
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ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Buying interest in coaltar chemicals was active. Stocks as a rule were short with some of the basic products assuming a better degree of balance. A serious cutback in the output of steel by some of the major companies on account of the soft coal strike has cast unfavorable shadows on the outlook for coke production. This forcasts a reduction in the supply of basic coaltar chemicals before the month is out unless a settlement in the coal controversy is reached. Last week the benzol market showed a better degree of balance and so did xylol. There was plenty of toluol available, but in all the other basic coaltar chemicals, stocks were exceedingly short. The opinion prevailed that many consumers had built up inventories to meet the present emergency. Buyers found the supply of intermediates short in most instances with a limitation on quantities available. Hydrogenated solvents were obtainable for prompt shipment while many of the dyestuffs were heavily sold ahead.

Steel operations for the week beginning April 1 were scheduled at 89.4 percent of ingot capacity, compared with 88.5 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 76.7 percent. The present schedule is equivalent to the production of 1,575,300 net tons of ingots and castings, compared with 1,559,700 tons in the preceding week and 1,774,900 tons for the corresponding week in 1945.

Basic Products

Benzol—Current production and demand well matched leaving the market in an even degree of balance. Inventories not allowed much chance to increase under present conditions. Exports in 1945 amounted to 2,943,000 gallons, compared with 568,000 gallons in 1944.

Creosote Oil—Supply situation tight and without sign of easement. Exceedingly heavy demand for railroad use where tie processing is essential. Reported that some refineries have closed down on account of the inability to secure sufficient tar. Heavy demand in England has restricted importations from that country. Importations for the year 1945 amounted to 2,237,000 gallons, compared with 3,236,000 gallons in 1944.

Cresylic Acid — No improvement could be noted in the supply situation. Stocks are insufficient to meet the active miscellaneous demand at present and the market held an exceedingly tight position. Importations last week amounted to 579 drums. Imports for 1945 were 1,886,000 gallons against 2,179,000 gallons in 1944.

Naphthalene—Supply situation continued exceedingly tight in both crude and refined grades. Buying interest was active with stocks insufficient to meet requirements. In some instances it was stated that consumers had to cutback production on account of the current shortage of stocks.

Phenol — Consuming demand has broadened sufficiently to tighten the supply situation in the synthetic and natural varieties. So far, production has been well maintained but demand for home use and export has prevented expansion in inventories. Exports in 1945 amounted to 16,850,000 pounds, compared with 28,720,000 pounds in 1944.

Toluol—Long stocks of this solvent have kept buying conditions favorable in this market. Demand is moderate and not of sufficient dimensions to put much of a dent in inventories.

Xylol—Stocks short although supply situation showed improvement. Market leaning toward a better state of balance probably on account of relief accorded by synthetic production.

Chicago, April 5.—Good tone continued to be noted in coaltar bases. Supply was not fully up to expectations on all materials. Inquiry was active for various grades of material. Benzol was steady. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 27c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Hydrogenated Solvents

Supplies of these solvents were available for prompt shipment. The stockpile which was built up during the war seems to have been of sizable dimensions and has given an inventory background that has kept buying conditions favorable. Stringency in the fats and oils supply has curtailed consumption of cyclohexanol and the cutback in soap production has been felt in its use as a blending agent in that industry. The other solvents have found a normal outlet for peacetime consumption.

Coaltar Acids

Anthranilic—Production has found a ready outlet for use in dyestuffs, intermediates and synthetic resins. The active movement has prevented the expansion of inventories and left the supply situation tight.

Broenner's—Buying conditions have shown no tendency toward easement. Demand from regular consumers is taking current output and relatively little stock is available in the open market.

Fumaric—According to trade reports, enough orders have been placed for dyes, intermediates and plastics to take care of production for some time. Buying conditions have continued tight.

Gamma—Little material has been available in the open market after requirements of regular consumers have been satisfied. The absence of surplus holdings has kept the market's price structure firm.

Maleic—Combined inquiries for this acid have overtaxed current production and left inventories definitely low. The makers of paint, varnish, synthetic resins and resinous compositions have been included in the present market movement.

Other Intermediates

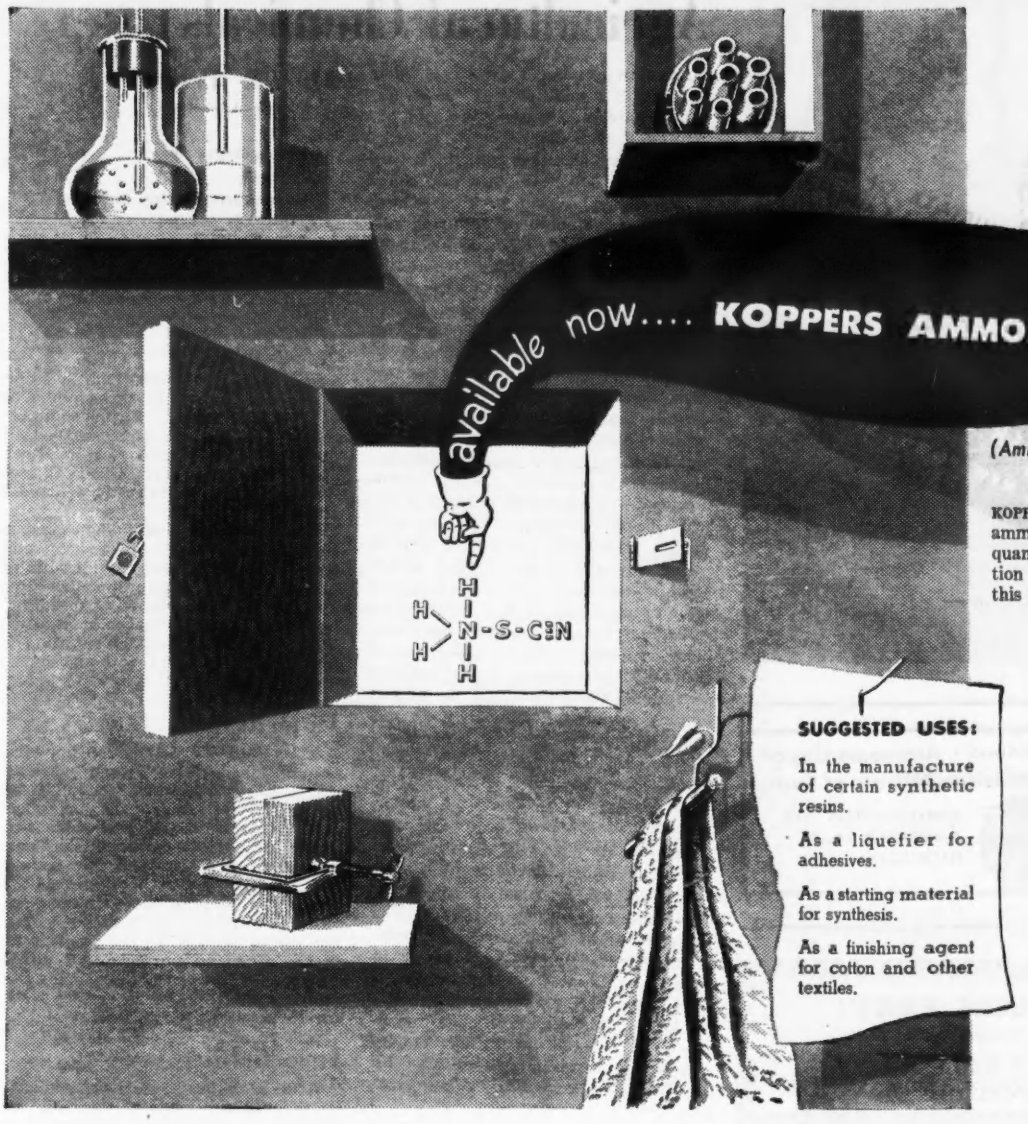
Anil'n — Consuming demand has kept output moving too rapidly to permit much expansion in inventories. Aside from an active inquiry from manufacturers of intermediates, dyestuffs, plastics and chemicals, there was a steady demand for export. December exports of anilin oil were placed at 50,000 pounds. Total exports for 1945 amounted to 418,000 pounds, compared with 276,000 pounds in 1944.

Phthalic Anhydride—Buying interest continued active with demand exceeding current production. These conditions have prevented any easement in the market's tight supply situation. It looked as though consumers were endeavoring to build up inventories in anticipation of a broader demand for synthetic resins, and other enamel type finishes from the automobile and hardware industries. Exports in 1945 amounted to 3,145,000 pounds, compared with 668,000 pounds in 1944.

Coaltar Colors

Chemical Division of the U. S. Tariff Commission placed January production of C.I. 202 chrome blue black R at 150,970 pounds. Output of C.I. 581 direct black Ew was 931,909 pounds and C.I. 1114 anthraquinone vat blue BCS 20 percent amounted to 185,988 pounds. The overall output in January showed a moderate gain over the preceding month. There was no relaxation in the demand for either export or domestic use, with domestic consumers getting the preference. The movement for home consumption has shown gradual improvement while inventories have been kept at a relatively low level. Exports in December amounted to 2,348,944 pounds, which brought the total for the year 1945 to 21,326,866 pounds.

For Late Market Developments, See Page 4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As a liquefier for adhesives.
As a starting material for synthesis.
As a finishing agent for cotton and other textiles.

(Ammonium sulfocyanide)

KOPPERS is in a position to ship technical grade ammonium thiocyanate crystals in commercial quantities or to supply test samples and information which will enable you to determine whether this material is suited to your processes.

Properties	NH_4SCN
Molecular Weight (pure compound)	76.11
Melting Point, approx.	150°C
Boiling Point, decomposes at about	160°C
Specific Gravity at 20°/4°C, approx.	1.310
State: Light yellow to tan crystals, pure	95 to 98%

Solubility: The crystals are highly soluble in water: One hundred grams of water will dissolve approximately 125 grams of NH_4SCN at 0°C, 160 grams at 19°C, and 200 grams at 30°C.

KOPPERS COMPANY, INC., Tar & Chemical Division, Pittsburgh 19, Pa.

KOPPERS

THE INDUSTRY THAT SERVES ALL INDUSTRY

Synthetic Organic Chemicals Output: 1945

The United States Tariff Commission has issued the following report on production on certain synthetic organic chemicals in the United States for 1945:—

Chemical[1]	Total, 1945
Acetanilid, tech. and U.S.P.	lbs. 6,951,294
Acetic acid—	
Synthetic	lbs. 261,024,369
Recovered	lbs. 1,008,914,108
Natural[2]	lbs. 31,645,086
Acetic anhydride[3]	lbs. 526,264,258
Acetone	lbs. 351,422,643
Acetylsalicylic acid	lbs. 10,860,546
Aniline	lbs. 88,495,686
Barbituric acid derivatives[4]—	
5-Ethyl-5-phenylbarbituric acid and salts (phenobarbital)	lbs. 276,763
5-Ethyl-5-(1-methylbutyl)-barbituric acid and salts (pentobarbital)	lbs. 53,952
Benzene: (Benzol)—	
Motor grades—	
Tar distillers[5]	gals. 3,978,533
Cokeoven operators[6]	gals. 28,173,199
All other grades—	
Tar distillers[5]	gals. 31,956,745
Cokeoven operators[6]	gals. 127,056,339
Butyl alcohol, primary, normal	lbs. 129,275,394
Carbon disulphide	lbs. 329,844,695
Carbon tetrachloride	lbs. 190,053,616
Chlorobenzene, mono	lbs. 234,763,921
Creosote oil—	
Tar distillers[5]	gals. 127,277,483
Cokeoven operators[6]	gals. 35,342,391
Cresols[7]—	
Meta-para	lbs. 7,833,171
Ortho-meta-para	lbs. 9,708,509
Cresylic acid, refined[7 8]	lbs. 29,224,088
Dibutyl phthalate	lbs. 41,838,451
Dichlorodiphenyltrichloroethane (DDT)	lbs. 32,998,587
Dyes (commercial concentrations)—	
C.I. 202 Chrome blue black R.	lbs. n.a.
C.I. 581 Direct black EW	lbs. n.a.
C.I. 1114 Anthraquinone vat blue BCS 20%	lbs. n.a.
F.P. 302 Naphthol AS	lbs. n.a.
Ethyl acetate (85 percent)	lbs. 103,654,106
Ethyl ethers, tech. and U.S.P.	lbs. 75,580,610
Formaldehyde (37 percent by weight)	lbs. 477,822,274
Lakes—	
Peacock blue	lbs. n.a.
Methanol—	
Natural[9]	lbs. 18,686,726
Synthetic	lbs. 491,459,699
Naphthalene—	
Tar distillers[5]—	
Crude, solidifying at—	
Less than 79° C.	lbs. 205,923,008
Refined, solidifying at—	
79° C and over	lbs. 77,228,565
Cokeoven operators[6]—	
Crude, solidifying at—	
Less than 74° C.	lbs. 34,407,119
74° C. to less than 79° C.	lbs. 53,166,345
Penicillin[4]	Total, 1945 *n.a.
Phenol (synthetic and natural), tech. and U.S.P.[7]	lbs. 204,815,380
Phthalic anhydride	lbs. 125,301,944
Styrene (government owned plants only)	lbs. 375,118,886
Sulpha drugs[4]—	
Acetylsulphathiazole	lbs. .....
Sulphanilamide	lbs. .....
Sulphathiazole	lbs. 2,090,808
All other	lbs. 3,821,299
Tetramethylthiuram sulphides	lbs. n.a.
Toluene—	
Cokeoven operators[6]	gals. 27,588,653
All other[6 10]	gals. 122,453,702
Vitamins[4]—	
Ascorbic acid and salts—	
Quantity	lbs. 1,306,813
Value	n.a.
Ergosterol, irradiated (vitamin D_2)—	
Quantity	†25,155,005
Value	n.a.
Niacin and niacinamide—	
Quantity	lbs. 955,828
Value	n.a.
Riboflavin for human consumption—	
Quantity	lbs. .....
Value	n.a.
All other vitamins[11]—	
Quantity	lbs. n.a.
Value	n.a.

[1] Reported on the basis of 100 percent content of the specified material unless otherwise indicated.

[2] Natural acetic acid (produced by direct process from wood) and acetic acid distilled from calcium acetate as reported to the U. S. Bureau of the Census.

[3] Produced from ketone, acetylene, ethylene, and from acetic acid by vapor phase process.

[4] Statistics are given in terms of bulk medicinals only.

[5] Produced by tar distillers from purchased coaltar only or from oil-gas or water-gas tar produced or purchased by tar distillers.

[6] Product by byproduct cokeoven operators only. These statistics are collected and compiled by the Coal Economics Division, U. S. Bureau of Mines.

[7] Statistics represent total production, from all sources including both data reported by cokeoven operators to the Coal Economics Division, Bureau of Mines and that reported by distillers of purchased coaltar to the U. S. Tariff Commission.

[8] Includes refined cresylic acid derived from petroleum.

[9] Reported to the U. S. Bureau of the Census.

[10] Includes toluene produced from petroleum by any process: does not include toluene produced under Ordnance control in petroleum refineries, but includes toluene produced from petroleum plants not under such control.

[11] Includes thiamin chloride, niacin, panthothenic acid and salts, riboflavin for animal use, irradiated animal sterole, and menadiones.

* Million Oxford units.

† Million U.S.P. units.

Note—n.a. signifies information is not available. A leader (..) indicates either the statistics are confidential because publication would reveal operations of individual companies, or the data which had been received at the time of publication of this report were not indicative of total production.

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COAL CHEMICALS

BENZOL (nitration, industrial, and motors)

TOLUOL (nitration and industrial)

XYLOL (industrial)

CRUDE HEAVY SOLVENT NAPHTHA

CRUDE NAPHTHALENE

CRUDE PYRIDINE

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RED MURIATE
OF POTASH

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We're proud of our 44-45 record and of the growth this year has brought... proud too of the *three* white stars on our Army-Navy "E" flag, awarded for meritorious service. Also we're proud of our friends in the fertilizer industry. We say "thank you" for your confidence, your patronage, and the pleasant relationships we mutually enjoy. We pledge our best efforts to continue to deserve them.

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GENERAL SALES OFFICE... 50 Broadway, New York, N. Y.
MIDWESTERN SALES OFFICE... 612 Lehman Building, Peoria, Ill.
SOUTHERN SALES OFFICE... Mortgage Guarantee Building, Atlanta, Ga.

Agricultural Chemicals

No improvement could be noted in the supply conditions of basic fertilizer materials. Current demand has continued to exceed stocks in practically every direction, making it very difficult for buyers to operate. Some of the superphosphate producers have experienced trouble in securing sulphuric acid, mostly on account of the high transportation rates where the haul covered distance. Occasional delays have also been reported in shipments of phosphate rock. This condition is attributed to an exceedingly heavy demand and to the fact that depletion of inventories has forced acidulators to depend upon present production. Capacity output was reported at the potash producing plants with plenty of additional demand and no additional stocks. A decline occurred recently in the production of synthetic nitrate of soda owing to the inability to secure enough soda ash. Ammonia nitrate output appeared to be progressing satisfactorily with sizable quantities being exported to Europe. Sulphate of ammonia production was cutback sharply by the recent steel strike and output is now threatened by the soft coal strike. The overall outlook for nitrogenous materials for the second half of the fertilizer year is not too encouraging and it is possible the anticipated 700,000 tons may not be met.

Uncertainty has again clouded prospects for insecticides and fungicides dependent on a coaltar base by the development of a soft coal strike. The Department of Commerce is investigating the possibility of bringing in nicotine sulphate from Russia to relieve some of the stringency prevailing here. Restrictions on the importation of rotenone bearing roots by private companies have been lifted by the Civilian Production Administration.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Nitrogenates

Ammonia Nitrate—March exports included 19,990 bags from Savannah. The destination was Danzig. Total exports in 1945 amounted to 19,689,000 pounds against 36,555,000 pounds in 1944.

Ammonia Sulphate—Producers reported cutting down contract shipments on account of cutback in production. Shortage of stocks held market in exceedingly tight position.

Bone Meal—Fertilizer demand was concentrated on steamed bone meal. No sales were reported because no material was available. Limited production of bone meal has prevented any easement in the general supply situation.

Castor Pomace—Current movement is confined to deliveries on old contracts. Production not sufficient to meet additional requirements at present. Importations last year were restricted to 357 tons from Haiti.

Dried Blood — Market conditions continue unfavorable for much activity. Limited production at packinghouses has resulted in short stocks with no immediate sign of an increase.

Soda Nitrate—Market's supply position has continued tight with demand considerably in excess of supply. Difficulty in securing enough basic material has affected synthetic production. Recent labor disturbances at supply sources have delayed arrivals of imported, but shipments seem to be coming through in good shape at present.

Tankage—Not much of this material was obtainable, but any available stocks were purchased by feeders at full ceiling prices. Cutback in packing-house production has resulted in minimum offerings of the by-product. Arrivals of 788 bags of greave cakes were noted during the week.

Phosphates

Phosphate Rock—Heavy demand is being supplied from production on account of the depletion of inventories above ground. According to trade reports, the demand for ground phosphate rock is expanding for direct application. This material does not work as fast as superphosphate but has been found satisfactory in the grain areas of the Middlewest. Export inquiries for sizable tonnage have reached the market for phosphate rock but probably will remain unsatisfied, at least until the season's domestic demand is covered.

Superphosphate—Although most of the acidulators are covered by contracts, there has been considerable effort to increase commitments. Production has continued exceedingly heavy but not sufficient to meet all requirements. The supply situation at present is tight and without sign of nearby easement.

Potashes

Plant capacity production appeared general for muriate. Demand for shipments has continued exceedingly active and, while shortages have been reported for mixing operations in some areas, the overall movement has been of satisfactory dimensions. The freight-car situation could be better but is considered fairly adequate in most sections at present. Sulphate of potash has continued insufficient to meet demand. Calcined carbonate of potash inventories are gradually being restored after the recent buying flurry for tobacco cultivation.

Insecticides

Aside from the present uncertainties in arsenic and copper sulphate, the shortage of nicotine insecticides is general throughout the world. The Department of Commerce is investigating possibilities of obtaining supplies from Russia and estimates that a half-million pounds of 40 percent nicotine sulphate from that country could be disposed of, providing exchange, price and delivery time, permit. If sulphate is unavailable, waste tobacco of at least 2½ percent nicotine content will be acceptable provided the price does not exceed one cent per pound for each percent of nicotine content.

Paris green exports last year were 457,000 pounds, against 779,000 pounds in 1944. Colombia, Egypt and Cuba were the largest buyers.

Lead arsenate production in 1945 registered 71,192,000 pounds, 20 percent less than in 1944, according to the Department of Commerce. The loss was attributed partly to the large carryover and partly to the short supply of lead.

January production of DDT was placed at 3,489,588 pounds by the Chemical Division of the Tariff Commission. Production in December was 3,183,288 pounds.

Calcium arsenate exports in 1945 amounted to 3,250,000 pounds, compared with 2,411,000 pounds in 1944. Peru and Colombia were the largest buyers.

Sulphur and Pyrites

Sulphur demand, while active, has been supplied readily from adequate stocks at the mines. Exports of crude sulphur in 1945 amounted to 2,057,868,000 pounds, compared with 1,464,851,000 pounds in 1944. Exports of refined were 53,700,000 pounds, against 48,210,000 pounds in 1944, according to the Bureau of the Census. Pyrites continued to find a steady outlet to regular consumers. Market quotations remained unchanged.

Baltimore, April 5.—Fish scrap has virtually ceased to figure in the market, except as one dealer may buy from another and thus enable the buyer to meet a certain requirement which he would otherwise find impossible to do. The earliest menhaden fishing that will yield any production of scrap is not to be expected until some time in May, though orders on a when-and-if-made basis are booked ahead of time to give the fish factories time to lay their plans.

For Late Market Developments, See Page 4

Textile and Leather Chemicals

Higher ceiling prices have been established for quebracho extract, urunday extract, myrobalans, divi divi, tara and algarobilla, by amendment 4 to RMPR 531, the Office of Price Administration announced, effective March 29. Ceilings were increased 11/16 cents a pound on quebracho extract, ⅝ cents a pound on urunday extract, and an average of $6 a ton for the four other materials, see OPD April 1. The increases approximate four percent for myrobalans and nine percent for the other products.

Supply situation in sizing materials continued tight and the demand exceeded supplies for all materials. Production of potato starch has been sharply reduced by the limited potato stocks reaching mills in Maine and Idaho. Production in Maine was set for 25,000 tons at the beginning of the season and to date it was estimated that the output was approximately 7,000 tons while in Idaho production was close to 12,000 tons with the expectations that from 2,000 to 3,000 tons would be produced before the end of the season. Corn dextrin and starch were also in scanty supply, with the output moving against standing contracts. Consumers were bidding at ceilings for new crop tapioca, with producers in Brazil showing no selling interest at prevailing import ceilings. Consensus in the trade is that unless ceilings are advanced for the new crop, American consumers would be unable to obtain adequate supplies to cover requirements in view of sharp European competition.

Market Trends

Prices Advanced

Quebracho extract, 11-16c. per lb.
Urunday extract, ⅝c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.5	288.5	288.5	279.7

(For Current Prices see page 9)

Chemicals

Bichromates—Demand continued to exceed the supply. The bulk of production was absorbed against former contracts. Export shipments were reported larger owing to the increase of allocations. Prices were unchanged at ceilings.

Potash, Prussiate—Consumers absorbed good sized quantities against former orders. Production was sold well ahead. Prices were well maintained at former levels.

Sizing Materials

Albumen, Blood—Steady call was reported for delivery against former orders. New business also showed improvement. Prices were well held at former levels. Supplies were adequate to cover the demand. Soluble dried blood was in fair request and unchanged.

Albumen, Egg—New production was in good demand against current orders. Buying interest continued steady and offerings were readily taken at ceilings. Dried egg produced during February totaled 7,449,000 pounds, compared with 13,655,000 pounds in February last year. Production consisted of 6,544,000 pounds of dried whole egg, 122,000 pounds of dried albumen ,and 783,000 pounds of dried yolk. Department of Agriculture announced on March 21 that it had increased its purchase program for dried eggs from 25,000,000 to 45,000,000 pounds. The product is being purchased for foreign nations, largely the United Kingdom—under the program first announced in February. Purchases through March 21 have amounted to 28,000,000 pounds.

Dextrin, Corn—Activity in this market was confined to withdrawals, against former orders, while new business was booked subject to delay in delivery. Production was sold up. Prices were firm at ceilings.

Egg Yolk—Production of yolk totaled 783,000 pounds during February, compared with 382,000 pounds during the same month last year. Trading was moderate, while deliveries against former contracts were in active request. Market was firm at ceilings.

Starch, Corn—Marked scarcity of supplies continued to restrict business. The output was insufficient to meet requirements and was delivered mainly against former orders. Offerings of cash corn were materially reduced and production was further curtailed by the government order reducing the corn grind 20 percent beginning April 1. The visible corn supply was further reduced 1,569,000 bushels for the week ended March 30 and totaled 21,225,000 bushels, compared with 19,969,000 bushels, a year ago, according to the Chicago Board of Trade. Rurther sales of powdered cornstarch were made by the Department of Agriculture totaling 11,575 pounds at 6.52c. and 7c. per pound, f.o.b., depending upon container, March 4 and 5.

Starch, Potato—Consuming inquiry was active, though business was limited, owing to the reduced production of mills in Maine and Idaho. Production in Maine to date was placed at about 7,000 tons thus far this season and operations have been cut to about ten percent of capacity, because of the inability of grinders to obtain potatoes in competition with alcohol manufacturers and the demand for export. Output in Idaho was reported at approximately 11,500 tons, with production reduced to about 50 percent of capacity because of small potato receipts. It was estimated that mills in Idaho would turn out from 2,000 to 3,000 tons before the close of the season.

Starch, Sweet Potato—Department of Agriculture March 28 announced the support program that will be in effect for the 1946 crop of sweet potatoes. Schedule of prices given is designed to support a price to growers of not less than 90 percent of parity, and provides for purchases from September 1 through November 15th. After November 15, 1946, and continuing through January 15, 1947, loans will be available. From January 1 through April 15th settlement will be made on loans.

Tapioca Flour—Arrivals of old crop flour totaled 3,680 bags during the week for delivery against former orders. Consumers were bidding freely at ceilings for new crop, but offerings from Brazil were said to be unavailable.

Tanning Materials

Divi Divi—Conditions in the market were firm, though trading was light owing to scarcity of material for shipment from points of origin. Buying interest was fairly active at current levels.

Mangrove Bark—Trading was reported moderate at unchanged quotations. Offerings for shipment was limited and the market was firm. Arrivals at New York totaled 1,280 bags during the week for delivery against prior orders.

Myrobalans — Consuming inquiry has slackened of late. Primary markets were reported steady and unchanged. Receipts totaled 19,230 bags at New York during the week and were consigned on previous orders.

Nutgalls — Small stocks of Aleppy galls on the spot were quoted at 52c. to 54c. per pound, according to quantity.

Quebracho Extract — Higher price ceilings of 11/16c. per pound announced by OPA March 29, resulted in the resumption of trading during the week. Solid 63 percent tannin was advanced to 6.3125c. per pound, bags, carlots, ex dock in bond and clarified 64 percent at 6.8125c. per pound same basis. Inquiry from tanners was keen for nearby delivery. Arrivals were reported at 30,810 bags at New York for delivery on prior orders.

Wattle Bark—While tanners were seeking to place orders for replacements of bark and extract, the lack of offerings from primary sources continued to affect business. Market was firm at prevailing ceilings.

For Late Market Developments, See Page 4

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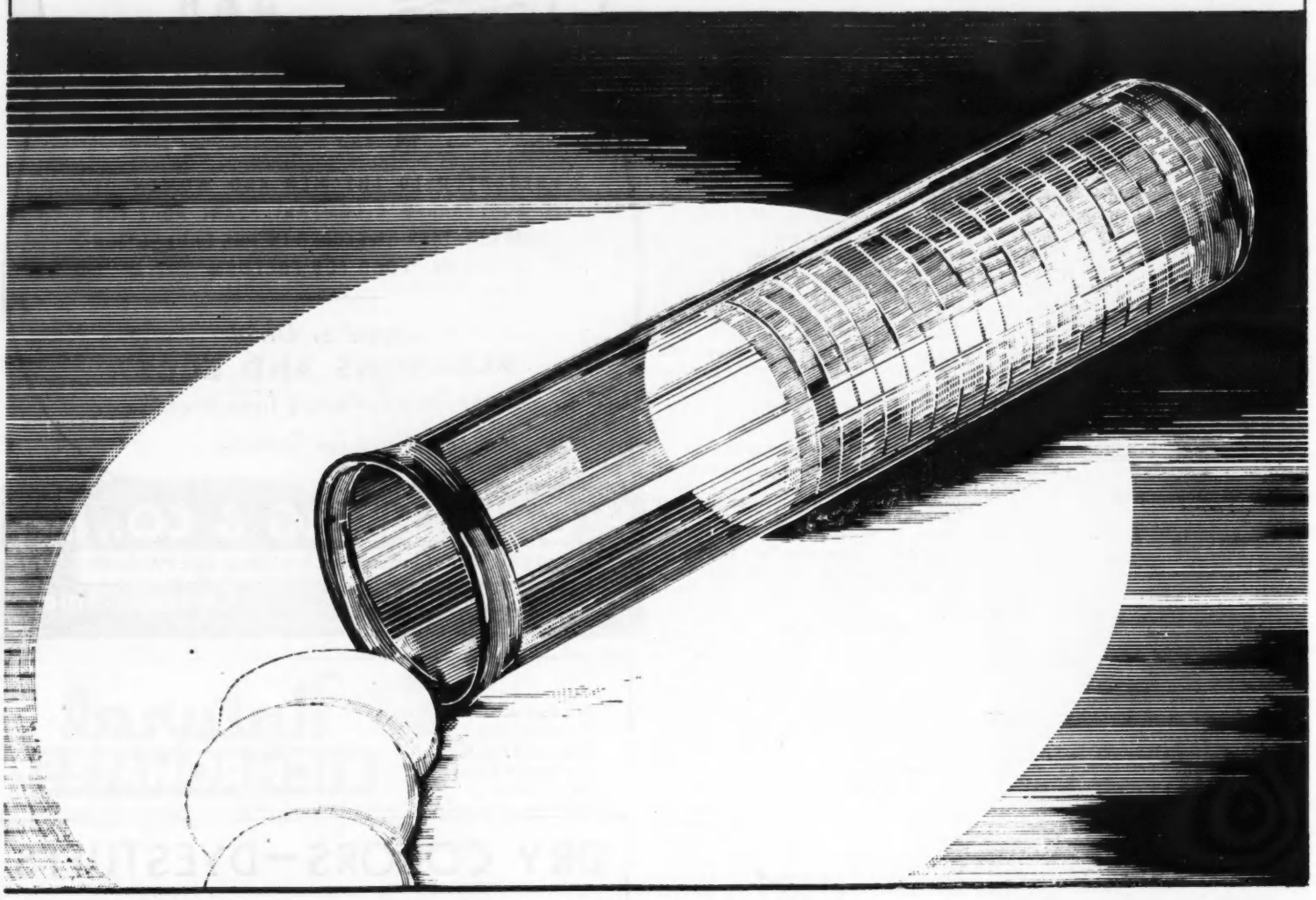

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Drugs and Fine Chemicals

A fairly broad trend of demand prevailed in the drug and fine chemical market last week. Manufacturers reported that much of their coming production was engaged well ahead and that the business involved domestic needs of sizable order and included considerable export trade that was actually larger than the ability of many to supply.

New prices for normal fermentation butyl acetate and alcohol produced in Illinois and Indiana went into effect on April 1. The advance was the sharpest over a long period of time. It remains to be developed that the forces producing these advances will also send dibutyl phthalate and sebacate to higher levels when prices for the next period are set soon. Pacific coast prices on ethyl alcohol and molasses were raised by OPA.

Restoration of cinchona and quinine trade with Java became more probable when a commission of Indonesians flew from Java to Holland last week to complete negotiations that had been advanced satisfactorily in Batavia. Give Java real peace and the trade will probably be resumed with surprising promptness.

News from Spain left affairs well up in the air but continuation of commerce seems more probable than recently seemed possible. An easing of quicksilver undercurrents developed and steady movement of tartar produced was subject to more than mere hope.

Codliver oil production was reported making good progress in European waters. Other vitamin bearing oils were not so favorably placed as the liver oil of the codfish and they held in strong price position.

Investigators with close trade relations with Argentina were reported making a survey of the United States caffeine market. Attempts to revive Dutch trade in theobromine were reported, also. Domestic production of caffeine by synthetic process was said to be badly delayed by adverse construction conditions.

One hundred thirty-three wholesale druggists reported to the Bureau of Census aggregate sales of $30,936,000 in February, which was 11 percent less than the January aggregate, but an 18 percent increase over February, 1945. December inventories increased 5 percent from January and were 15 percent larger than February, 1945, according to the 101 firms reporting stocks.

Acid, Tartaric—From Buenos Aires last week came 501 barrels of this acid. Also, 1,804 bags of argols came from the same source and 940 bags of wine lees arrived from Cristobal. The spot market for acid was reasonably active within limits prevailing for some time. Spanish material offered domestic goods considerable competition but possibly to a lesser extent than had prevailed in the not far distant past. The international situation remains to be developed further. future is uncertain.

Agar—Former sellers of Japanese material look forward to the American restoration of exports from that country as part of the American scheme to encourage Japanese business that is distinctly non-war in character. Agar supplies for some years have come only from domestic sources. American authorities in Japan have mentioned agar exportation as a means of rehabilitating Japanese business.

Alcohol—Increases have been allowed in the ceiling prices for imported Hawaiian molasses when sold on the West coast for making ethyl alcohol there. Also, alcohol ceilings there were raised. The OPA made the advances effective April 1. The price of alcohol becomes 50.8c. to 56.5c. per gallon f.o.b. works, Pacific coast for sale in tanks and tanktrucks. Alcohol makers will pay $21.78 per ton for their Hawaiian molasses, an advance of $2.78 per ton. The molasses price ceiling was raised to preserve a normal differential between sales of the product to distillers and sales to feed manufacturers, and to prevent an undue diversion of supplies to the feed industry.

Market Trends

Prices Advanced

Alcohol, ethyl, Pacific coast, 4.8c. per gal.
Butyl alcohol, normal fermentation, Ill., Ind., 1.05c. per lb.
Butyl alcohol, normal, fermentation, Ill., Ind., 2c. per lb.
Molasses, blackstrap, Hawaiian, $2.78 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.5	209.5	209.2	222.4

(For Current Prices see page 9)

Aloe—Curacao gum has become slightly cheaper at 47c. to 48c. per pound and it was intimated that some quarters might shade even further on attractive business. The supply has improved considerably, adding competition to the local market also.

Amyl Acetate—The article made from fusel oil seemed less well supplied as a result of the lessening production of alcohol in recent months and the extremely sharp drop in production over the past year. The supply situation appeared to be tightening.

Atropine—Recovery of raw material collection in Europe is likely to restore Swiss production of this alkaloid—a fact not unlikely to find reflection in this market during the coming year. At the moment, the supply situation is fairly tight and there is virtually no competition.

Brucine—Domestic production may be restored now that raw material supplies have a chance for fairly regular arrival here. However, it would probably require official price action by OPA to permit major domestic production to be profitable, this because of present cost of raw material.

Butyl Acetate—Higher prices are now in effect, tankcars of normal fermentation material produced in Illinois and Indiana being quoted at 19.35c. per pound; drums, carlots, 20.35c.; less carlots, 20.85c.

Butyl Alcohol—Normal fermentation material made in Illinois and Indiana now sells at the higher price of 20.80c. per pound in tanks; drums, carlots, 21.80c.; less carlots, 22.30c.

Caffeine—Research on the caffeine market has been undertaken in quarters concerned with the promotion of Argentine trade. A complete picture of the American market, including production totals, raw materials used, imports, and prices is the aim of the investigators and it is understood that the study has for its purpose a decision whether or not to seek entry into the United States market in the future.

Camphor—Nothing further has been heard from the Shanghai operators who recently offered Taiwan camphor in tablet and powdered form for shipment to the United States. Or, more precisely, nothing has been heard from the Pacific Coast factors who were the original receivers of the Shanghai proposals.

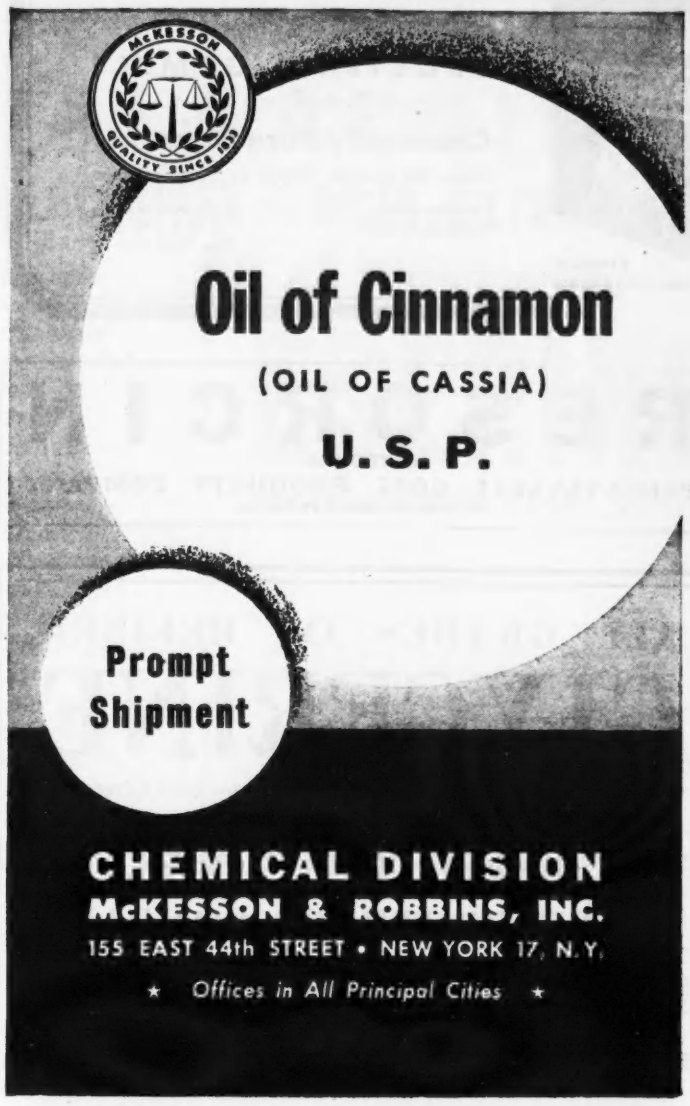
Castor Oil—Beans continue to reach here in fair sized quantities. The arrival last week totaled 5,987,400 pounds, thus making the total landed since January 1 a matter of 573,040,700 pounds. This compares with 55,173,050 pounds arrived during the corresponding time in 1945, and with 98,178,200 pounds in 1944.

Chicago, April 2.—Castor oil prices are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Cocoa Butter—Accumulation of a surplus seems impossible. Domestic production plus importations are well engaged far ahead of availability and demand was said still not to be totally satisfied. Ceiling prices govern at all times.

Codliver Oil—Such information as becomes available concerning production progress where codliver oil is being manufactured indicates a satisfactory situation as to output at this time. Prices for oil on this market hold firm, reflecting the absence of change in countries where values are set by

For Late Market Developments, See Page 4



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official acts of government. An arrival of 132 drums was noted last week.

Corn Syrup—Control of corn used for processing has been tightened and it appears that domestic production will experience difficulties as the program calculated to increase availability of corn for feeding in Europe gets under way. It would also seem that imported syrup might have an expanding vogue. An arrival of 1,216 parcels from Buenos Aires was noted.

Cream of Tartar—Steady to firm and not overly plentiful on spot. Little competition prevailed locally. No arrivals of foreign made goods have been reported of late but some were said to be expected.

Emetine Hydrochloride—A domestic producer quotes $53.50 to $56.50 per ounce on this article, same being for prompt delivery and prevailing according to quantity taken.

Fishliver Oils—An arrival of 42 barrels of sharkliver oil was noted. The market for high-test oils was active as to demand and supplied but moderately. Production, actual and potential, seemed well engaged ahead.

San Francisco, April 3.—Demand for fishliver oils continued to exceed the supply. Little trading was reported. No new features were noted.

Glycerin—The latest report by the Bureau of Census supplies data concerning February production, consumption and stocks of crude, high gravity and yellow distilled, and chemically pure glycerin reckoned on a 100 percent basis of glycerin. The figures follow:—

	Pounds, basis 100%— February	January
Production—		
Crude	14,063,000	13,409,000
High gravity, yellow, distilled	5,323,000	5,010,000
Chemically pure	7,741,000	7,636,000
Consumption—		
Crude	13,831,000	13,687,000
High gravity, yellow, distilled	5,588,000	6,010,000
Chemically pure	5,446,000	6,336,000
Stocks—		
Crude	12,884,000	12,640,000
High gravity, yellow, distilled	17,591,000	15,864,000
Chemically pure	19,028,000	16,941,000

Refined material continued to reach here from Scotland. An arrival of 840 drums originating in Glasgow was noted. Also, 78 drums of what probably was crude glycerin reached here from Buenos Aires, Argentina. Also, 145 drums of glycerin from Brisbane, Australia.

Chicago, April 2.—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars, 18¼c., drums, carlots; 18¾c., drums, less than carlots.

Menthol — The market seemed slightly less steady. Although open quotations remained inside at $5 per pound, conditions seemed to suggest that that figure might be shaded at times if business should be sufficiently attractive to sharpen the pencils of those who figure prices on Brazilian material. The market to the South has showed some further strength and bids under shippers' quotations were mainly rejected or ignored.

Two other sources of menthol are likely to play a part in the world markets before the end of this year, in the opinion of some. They are China, where substantial quantities are believed to exist, and Japan, where nothing is definite regarding the resumption of peppermint culture and menthol extraction. But it is basically an agricultural product of Japan and the United States occupation authorities seek restoration promptly of agriculture and the export of its products.

Milk Powder—Gradual increase in production is tending to ease the market in some respects. The tendency of some buyers seems to be not to pay OPA less than carlot ceilings but to buy at full carlot ceilings. A backlog of unfilled orders for both commercial and government agencies exists. Inventories remain low.

Quicksilver—Values hold very firm. Spot stocks were conservative and holdings at the mines were not large and were, apparently, well spoken for. Some reason to look for a resumption of more active business in Spanish metal may be developing although the ultimate outcome of the Spanish situation politically remains to be developed.

San Francisco, April 3.—Interest in the quicksilver market was well maintained. Little metal was offered. Stocks continued low. Metal was quoted between $103 and $105 per flask, f.o.b. this city.

Quinine—A quite favorable turn has developed in negotiations between the Dutch and the Indonesians of Java. The next event will take place in Holland where government officials will meet with Indonesian leaders flown from Java. Settle political conditions in Java, and quinine and cinchona bark business will probably be restored with surprising promptness.

Sugar—The director of the sugar branch of the Production and Marketing Administration, Department of Agriculture, stated last week that he felt there is every reason to believe that the new purchase contract will be settled in a manner mutually satis-

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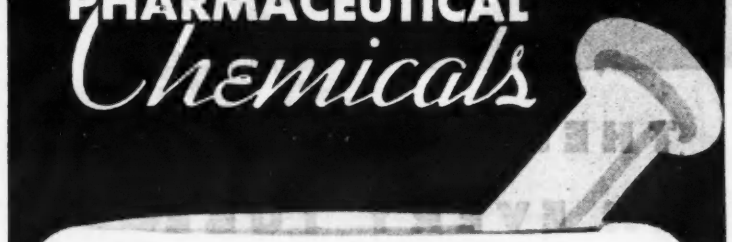

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factory to Cuba and the United States. Entries of sugar from offshore in January and February totaled 446,282 short tons, 96 degree equivalent. Of the whole, 378,560 tons came from Cuba, 36,120 tons from Hawaii, and 31,602 tons from Puerto Rico.

Recent Imports

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New York Imports

ALCOHOL, DENATURED—25 dms, J B Williams & Co

ALLSPICE—72 bgs, Harold A Sothern

ANGELICA ROOT—13 bls, Chase National Bank & Trust Co

ANTIMONIAL LEAD—5,282 bars, American Metal Co; 1,641 bgs, Watson, Geach & Co; 5,236 bars, United States Commercial Co

ARGOLS—1,804 bgs, Tartaric Raw Materials, Inc

ARROWROOT STARCH—1,500 bgs, Morningstar, Nicol, Inc

ARTISTS' MATERIAL—19 cs, Winsor & Newton

ASBESTOS—7,000 bgs, Union Asbestos & Rubber Co; amosite, 325 bgs, Asbestos, Ltd; fiber, 320 bgs, Raw Asbestos Distributors; 1,000 bgs, Thermoid Co; 1,000 bgs, Raybestos Manhattan

ASPHALT—3,593 bbls, Barber Asphalt Co

BALL CLAY—50 tons

BALSAM—1 dm, Kachurin Drug Co

BAUXITE—15 cs, F P Gaskell Co; ore, 3,470 tons, General Chemical Co; residue, 1,400 bgs

BEEF LIVER EXTRACT—2 cs, Vitamin Corp

BEES WAX—4 bgs, Pan American Import & Export Co; 62 bgs, D Steengrafe & Co; 10 bgs, Geck Trading Co; 388 bgs, J H Redding; 22 bgs, Golodetz & Co; 36 bgs, H H Pike & Co; 20 bgs, General Import Distributors; 100 bgs, D Steengrafe & Co; 50 bgs, Bankers Trust Co; 100 bgs, E A Bromund Co

BERYLLIUM—2,000 bgs, Chase National Bank & Trust Co; 168 bgs, Metal Traders, Inc

BISMUTH, REFINED—118 cs, Cerro de Pasco Copper Co

BLUE CLAY—50 tons

BONES—931 bgs, Swift & Co; 2,155 bgs, Charles Hollinshed Co; 1,893 bgs, First National Bank of Boston; 941 bgs, Bank of New York

CADE OIL—10 dms, Magnus, Mabee & Reynard

CADMIUM—17 cs, Cerro de Pasco Copper Co; dross, 23 dms, Caswell, Strauss & Co

CANARY SEED—495 bgs, A G Dunn; 154 bgs, Hinton & Co

CARAWAY SEED—112 bgs, Becker Mayer Seed Co

CARNAUBA WAX—561 bgs, American Cyanamid & Chemical Corp; 226 bgs, Wm M Allison & Co; 146 bgs, Wax & Rosin Products, Inc; 55 bgs, W Looser & Co; 56 bgs, E A Bromund Co; 75 bgs, Public National Bank & Trust Co; 89 bgs, Mercantile Metal & Ore Co; 22 bgs, Lenape Trading Co; 246 bgs, Innis, Speiden & Co; 1,229 bgs, S C Johnson & Son; 24 bgs, Manufacturers Trust Co; 99 bgs, Baird Rubber & Trading Co; 13 bgs, J Henry Schroeder Banking Corp; 668 bgs, W R Grace & Co; 202 bgs, Bank of London & South America; 137 bgs, Philadelphia National Bank; 16 bgs, T G Cooper & Co; 22 bgs, G Bell & Sons; 11 bgs, Paul & Stein Bros; 19 bgs, Guaranty Trust Co; 167 bgs, National City Bank; 198 bgs, Chase National Bank & Trust Co; 55 bgs, Brown Bros-Harriman Co; 66 bgs, Bank of the Manhattan Co; 232 bgs, Hale, Hamilton & Co; 23 bgs, Strahl & Pitsch; 55 bgs, Wm Diehl & Co; 55 bgs, Melvin Pine Co; 738 bgs, Wessel, Duval & Co

CASSIA FISTULA—54 bgs, S B Penick & Co

CASTOR BEANS—15,955 bgs, Baker Castor Oil Co; 14,173 bgs, Spencer Kellogg & Sons; 21,634 bgs, Guaranty Trust Co; 3,387 bgs, Bank of London & South America; 4,767 bgs, Chase National Bank & Trust Co

CASTOR OIL—503 dms, Murray Oil Product Co; 702 dms, Irving Trust Co

CHALK, PRECIPITATED—1,100 bgs, H J Baker & Bro

CHINA CLAY—150 tons, United Clay Mines Corp

CINCHONA BARK—38 crates

CLOVE OIL—3 dms, United States Rubber Co

COCHINEAL—108 bgs, Duncan Fox & Co

COCOA CAKE—667 bgs, General Cocoa Co; 140 bgs

CODLIVER OIL—132 dms

COLORS, CERAMIC—2 cks, J W Hampton, jr, & Co

COPAL GUM—416 bgs, Gillespie-Rogers-Pyatt Co; 416 bgs, S Winterbourne & Co; 416 bgs, American Cyanamid & Chemical Corp; 110 bgs, France, Campbell & Darling; 463 bgs, Balfour, Guthrie & Co; 150 bgs, Colony Import & Export Co; 385 bgs, G W S Patterson & Co; 2,132 bgs, U S Industrial Chemical Corp; 5,756 bgs, O G Innes Corp

CORUNDUM CRYSTALS—892 bgs, United States Commercial Co

COSTUS ROOT—100 bgs, S B Penick & Co

COTTON LINTERS—3,276 bls, New England Waste Co

COTTONSEED HULL FIBER—398 bls, Hercules Powder Co

COTTONSEED MEAL & CASTOR POMACE 1,545 bgs, Old Deerfield Fertilizer Co

COTTONSEED OIL—400 dms, Commodity Credit Co

COTTONSEED PITCH—651 dms, C S Zegler & Co

CRESYLIC ACID—200 dms, R W Greeff & Co; 172 dms, Republic Chemical Corp; 50 dms, Baird & McGuire, Inc; 134 dms, E I du Pont de Nemours & Co; 400 dms, Guaranty Trust Co; 160 dms, Bank of New South Wales; 23 dms

CUTTLEFISH BONES—48 cs, Hinton & Co

DILLSEED—249 bgs, G T Wilson & Co; 415 bgs, Levy & Levis Co; 166 bgs, R J Spitz, Inc

DYES, ANILIN—14 dms, Ciba Co; 44 dms, 29 cks, Sandoz Chemical Co; 20 kgs, L & R Organic Products Co

EUCALYPTUS OIL—52 dms, Commercial Banking Corp; 20 dms, Magnus, Mabee & Reynard; 10 dms, Orbis Product Corp; 25 dms, Dodge & Olcott Co; 2 cks

FILTER PAPER—30 cs, H Reeve Angel & Co

FISH GLUE—20 cs, E T Sullebarger Co

FLAXSEED—6,393,701 lbs, United States Commercial Co

FLEASEED—50 bgs, Irving Trust Co; husk, 180 bgs, S B Penick & Co

FUEL OIL—190,780 bbls, Standard Oil Co of N J; 55,272 bbls, Asiatic Petroleum Corp

FULLERS EARTH—100 bgs, L A Salomon & Bro

GENTIAN ROOT—113 bls, Irving Trust Co; 125 bls, S B Penick & Co; 52 bls, Peek & Velsor; 102 bls, R J Prentiss & Co; 16 bls, American Express Co

GERANIUM OIL—1 pkg, J Henry Schroeder Banking Corp; 1 pkg, Manufacturers Trust Co; 1 pkg, Banque Belgue pour l'Etranger; 11 pkgs

GLANDS—2 cs, Difco Laboratory

GLUCOSE—27 cks, Sacharin Bros; 7 cks, Eugenio Lang, Inc; 63 cks, J C Belley, Ltd; 98 cs, Purity Baking Co; 99 bbls, Mitchel, Beck Co; 581 cs, Ayrton Metal Co; 342 bbls, S B Penick & Co

GLUE, SHEET—700 bgs, Hewitt & Bros

GLUESTOCK, HIDE—126 bls, Milligan & Higgins Corp

GLYCERIN—78 dms, Judson, Sheldon Co; 120 dms, E I du Pont de Nemours & Co; 400 dms, Atlas Powder Co; 145 dms, United States Forwarding Co

GREAVES—788 cakes, Weaver & Hugi

GUAIACWOOD OIL—26 cs, Dodge & Olcott Co

GYPSUM—6,277 tons, United States Gypsum Co

HEMPSEED—642 bgs, Ludwig Mueller Co

HENNA LEAVES—39 bls, S B Penick & Co

HIDE, GLUE—126 bls, Milligan & Higgins Corp

HOG GALLS—8 cs, Biological Raw Product Co

ILMENITE SAND—8,739 tons, National Lead Co

IODINE—1 bx, 11 bots, International Merchandising Co

IRISH MOSS—50 bls, S B Penick & Co; 100 bls, R J Prentiss & Co

IRON ORE—1,000 long tons

IRON OXIDE—1,000 bgs, 36 cks, Reichard-Coulston, Inc; 1,120 bgs, Landers, Segal Color Co

KAMELA POWDER—85 bgs, R J Prentiss & Co

KARAYA GUM—200 bgs, J H Reed; 400 bgs, J B Gruman Co; 333 bgs, Jacques Wolf & Co; 200 bgs, Frank Vliet Co; 67 bgs, Innis, Speiden Co; 67 bgs, The Hatseer Co

LABDANUM GUM—3 cs, S Montaner

LAC, SHELL—933 bgs, American Export Line; 453 bgs, Harry C Smith & Co (Memphis), 100 bgs

LAVENDER FLOWERS—51 bls, S B Penick & Co

LEMONGRASS OIL—15 pkgs, Magnus, Mabee & Reynard; 1 dm, Orbis Product Corp

LIME OIL, DISTILLED—24 cs, Fritzsche Bros

LINSEED OIL—1,700 tons, United States Commercial Co; 615 tons, Commodity Credit Co

LIVER EXTRACT—2 cs, G E Brenon & Co

LOCUST BEAN GUM—100 bgs, Stein, Hall & Co

MACE—4 cs, Frank Tea & Spice Co; 13 cs, Wood & Selick; 13 cs, Warfield Co; 17 cs, Catz American Co; 5 cs, Thomas Scott & Co; 14 bgs, Manton & Co; 45 cs, J A McGlade; 2 cs; J S Toledano & J M Pinto; 2 cs, Parrish Bros; 47 bgs, B H Old & Co; 11 cs, Knickerbocker Mills Co

MAGNESIA CARBONATE—700 bgs, Schofield-Donald Co, Inc; 200 cs, Keasbey & Mattison

MALEFERN EXTRACT—4 cs

MANGROVE BARK—1,283 bgs, Barkey Importing Co

MICA—100 cs, National City Bank; 59 cs, Rector Mineral Trading Corp; 93 cs, United States Commercial Co; block, 567 cs, Gillespie-Rogers-Pyatt Co; 24 cs; splittings, 186 cs

MOLASSES—800 bbls, Colonial Molasses Co; 150 bbls, Atlantic Syrup Refining Co; 100 bbls, Hannaford Bros; 125 bbls

MOLYBDENITE CONC—1,068 dms, Mines Product Corp

MYROBALANS—319 bgs, American Export Co; 8,320 bgs, Barkey Importing Co; 4,000 bgs, Guaranty Trust Co; 6,309 bgs, Bingham & Co

NAPHTHENIC ACID—2,389 bbls, Standard Oil Co of N J

NICKEL CARBONYL—319 bgs, American Export Line; 18 cyls, International Nickel Co

NISPERA GUM—29 bgs, Murbas Trading Co; 33 bls, L A Dreyfus & Co

NUTMEGS—63 bgs, A G Dunn; 151 bgs, Dodge & Olcott Co; 28 bgs, W J Bush & Co; 54 bgs, Fritzsche Bros; 10 bgs, S B Penick & Co; 14 bgs, Archibald & Kendall; 3 bgs, Asmus Bros; 75 bgs, Catz American Co; 124 bgs, C T Wilson & Co; 90 bgs, Thomas Scott & Co; 128 bgs, J A McGlade; 31 bgs, J S Toledano & J M Pinto; 26 bgs, Parrish Bros; 18 bgs, Bond Bros

OITICICA OIL—1,000 dms, Brazil Oiticica Inc

OLIVE OIL—111 dms, Balbo Oil Co; 1,174 dms

ORRISROOT—8 bgs, S Montaner

ORTHOCRESOL—25 dms, Bank of New South Wales

OURICURY WAX—112 bgs, Paul & Stein Bros; 56 bgs, Wm M Allison & Co; 63 bgs, F B Ross Co; 63 bgs, Cornelius Product Co; 80 bgs, Wm Diel & Co

OX BILE—4 cks, Borden Co; 2 cks, Maltbie Chemical Co; 4 cks, Wilson & Co; galls, 5 trcs, Eli Lilly & Co; 5 trcs, Sidney Ross & Co; 8 cks, Biological Raw Product Co; 9 trcs, Armour & Co; 8 bbls, F Stearns & Co; 3 cks, Tupman Thurlow Co

PALMAROSA OIL—1 pot, Volkart Bros

PALM OIL—1,247 tons, Balfour, Guthrie & Co

PAPRIKA—300 bgs, Ludwig Mueller Co

PARTING POWDER—20 bgs, L A Salomon & Bro

PATCHOULI LEAVES—150 pkgs, Anglo-American Colonial Co

PENDARE GUM—138 bls, Wessel, Duval & Co

PERILLO GUM—46 cs, 106 bgs, Chicle Development Co; 217 bgs, H A Astlett & Co

PETITGRAIN OIL—20 dms, J D Walsh Co; 28 dms, P R Dreyer; 17 dms, Trubek Laboratories; 50 cs, Stern, Morgenthau & Co; 50 cs, P R Dreyer

PETROLEUM, CRUDE—61,971 bbls, Imperial Oil, Ltd; 382,204 bbls, Standard Oil Co of N J; 318,203 bbls, Gulf Oil Corp

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PIMENTO LEAF OIL—6 cs, Canadian Bank of Commerce
POPPYSEED—91 bgs, Oceanic Commodities Co; 110 bgs, Wm M Allison & Co; 132 bgs, Wagner Bros Feed Corp; 330 bgs, Tunley & Co
POTASH CHLORATE—300 cs, Innis, Speiden & Co
QUEBRACHO EXTRACT—24,800 bgs, Tannin Product Export Co; 6,010 bgs, International Product Corp
RESIN MUCUGE—168 bgs, Metallo Chemical Corp
ROSEMARY OIL—10 dms, Magnus, Mabee & Reynard
ROSEWOOD OIL—6 dms, Geo Uhe Co; 6 dms, Felton Chemical Co
RUTILE—2,489 bgs, Philadelphia National Bank
SANDALWOOD—13 pkgs, Van Ameringen Haebler
SCHEELITE CONC—146,034 lbs, British Supply Mission
SESAME SEED—1,437 bgs, Louis Furth, Inc; 334 bgs, Jensen, McLean Co; 334 bgs, Archibald & Kendall; 2 bgs, Seaman, Heymes & Co
SHARK LIVERS—160 bbls, E S Ullman Allied Co; 3 dms, East Asiatic Co
SHARK OIL—42 bbls, Ocean Leather Co
SODA CAUSTIC—215 dms, Bergstrom Trading Co
STEARIC ACID—320 bgs, Commercial Banking Corp
STEATITE—70 cs, American Lava Corp
STRAMONIUM LEAVES—13 bls, R J Prentiss & Co; 23 bls, Harold A Sothern
STRONTIUM OXIDE—205 tons, 12 cwt, E I du Pont de Nemours & Co
SULPHUR, PRECIPITATED—18 kgs, Norwich Pharmacal Co
TALLOW, VEGETABLE—1,307 cs, The Smidas Co
TANKAGE—400 bgs, Riverdale Product Co; 1,080 bgs, Central Soya Co
TAPIOCA FLOUR—350 bgs, H S C Trading Co; 1,433 bgs, Bank of the Manhattan Co; 500 bgs, Industrial Trust Co; 400 bgs, Morningstar, Nicol, Inc
TAR OIL—50 dms, Bank of New South Wales
TARTARIC ACID—250 bbls, Pacific Coast Borax Co; 254 bbls, Enco Chemical Corp
TEAWASTE—840 bgs, Maywood Chemical Works
TRAGACANTH GUM—266 bgs, Khosrovschihi & Co; 192 bgs, Al Fuchs Co

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TUNGSTEN ORE—2,333 bgs, African Metal Corp

TURMERIC—37 bgs, Bank of California; 280 bgs, A G Dunn; 180 bgs, D Hecht & Co

UMBER EARTH—259 bgs, Mineral Pigment Co; 2,313 bgs, Reichard-Coulston, Inc; 983 bgs, J Lee Smith & Co; 3,817 bgs, C K Williams & Co; 674 bgs, 58 cks, C B Chrystal & Co; 100 bgs, T H Deuts Co

VALERIAN ROOT—38 bls, S B Penick & Co

WHITING—795 bgs, Taintor Trading Co; 3,640 bgs, Nicholas H Weitzner

WINE LEES—940 bgs, Tartaric Raw Materials, Inc

WOLFRAM ORE—544 bgs, Banco Minero de Bolivia

WOOL GREASE—300 dms, Faesy & Besthoff; 48 dms, Bank of New South Wales; 50 dms

ZIRCON CONCENTRATE—1,993 bgs, Bank of New South Wales; ore, 4,000 bgs, Bank of New South Wales; sand, 3,995 bgs, Philadelphia National Bank

Baltimore Imports

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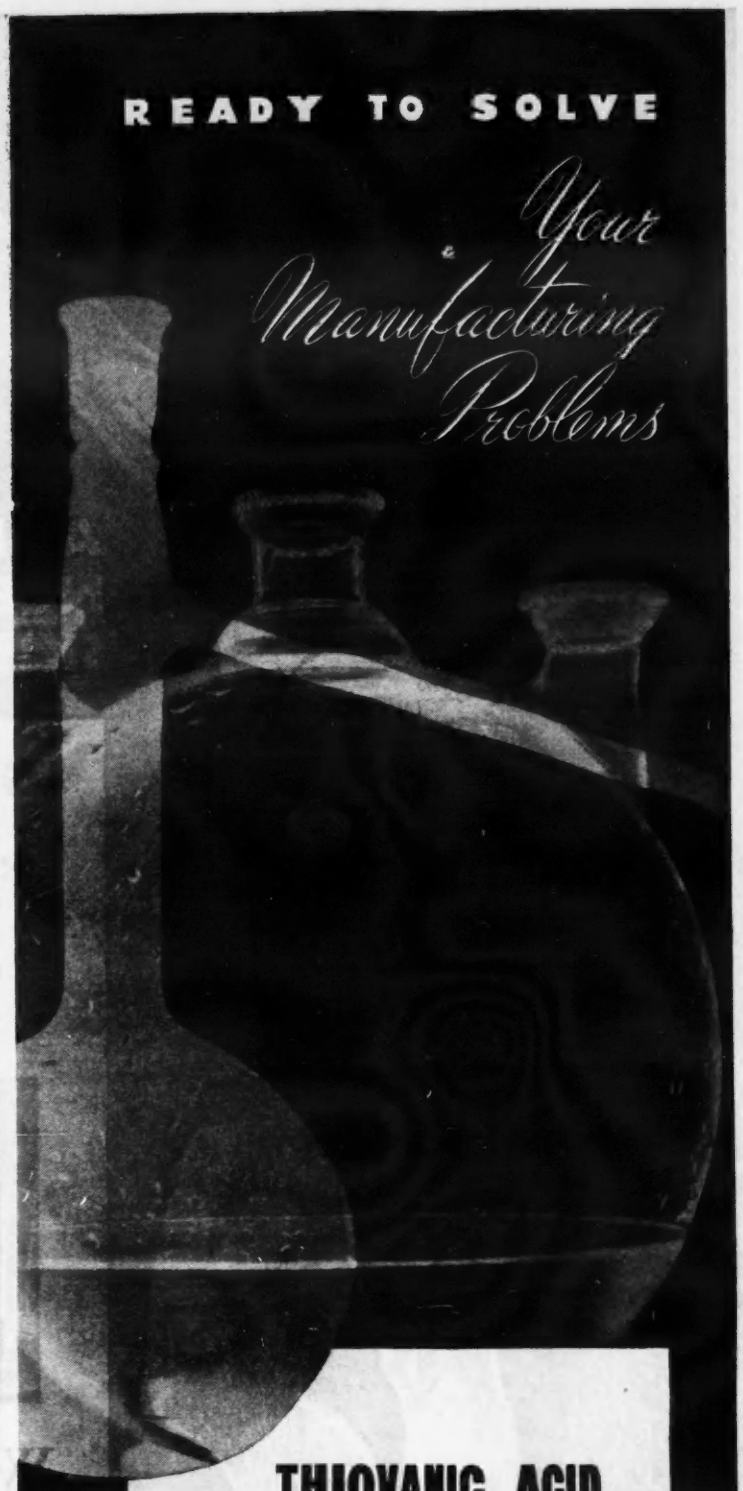

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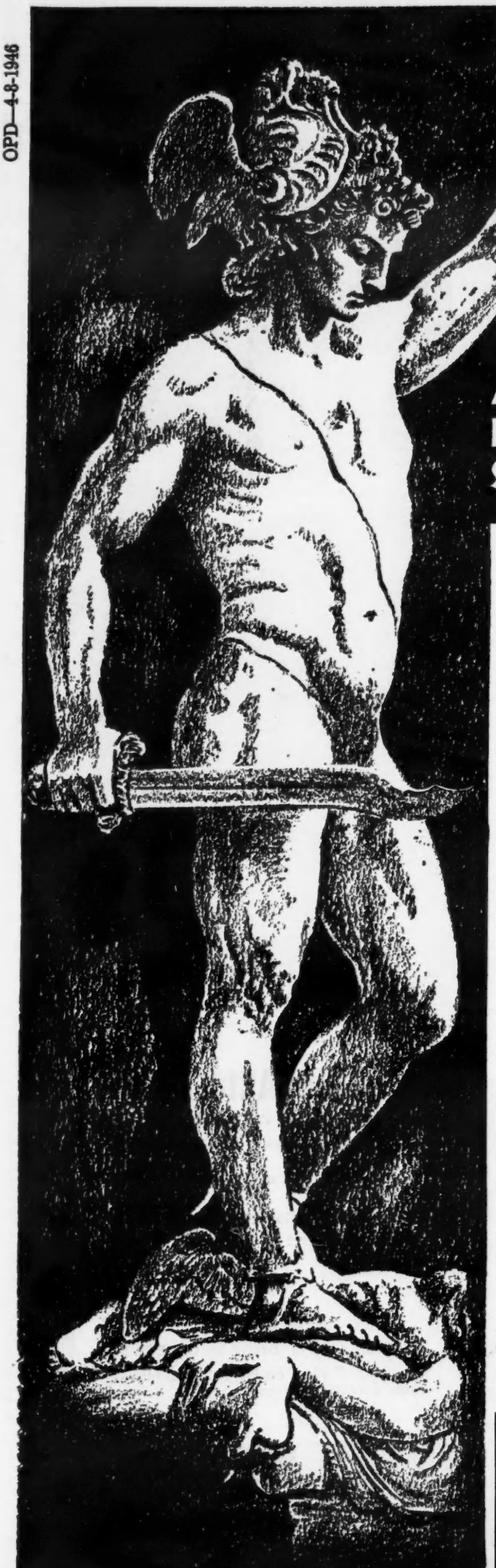

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Gums in their crude state need

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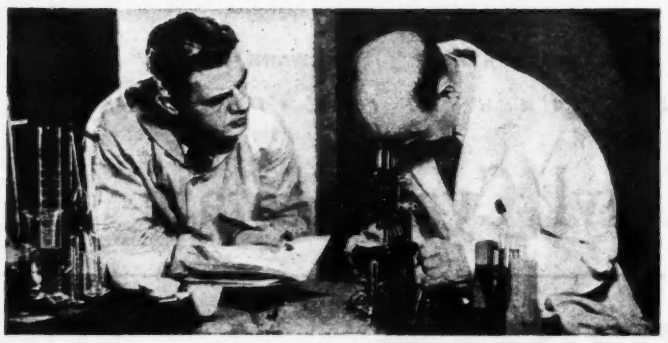

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Botanical Drugs, Spices, Gums

Botanical drug demand was along seasonal lines last week. Spring-used drugs got the bulk of request and buyers found it far from easy readily to cover their needs. Available stocks were mainly short of normal size and sellers rarely held any but firm views on values.

In addition to seasonal request was the very excellent overall demand for botanical drugs in general—particularly for many of domestic origin. There was real strength at the bottom of the market on domestic crude drugs and competition was almost as scarce as live typhoid fleas in a DDT tin.

Most sellers think that domestic drugs will be collected only at high cost this year. For that reason, it was rather surprising last week to note that spot quotations were lower on a number of articles that are dug fairly early in the Spring. It must be said that the lower priced articles were not well stocked on spot and were secured a year ago only at relatively high cost. It may be that some were disposed to take a position on values at this time—one that might have some influence on prices to be paid workers in the primary market this year.

Detentions by the Food and Drug Administration remained to plague importers of drug and condimental botanicals. The list released last week was very long. With more money at its disposal and, consequently, a larger number of inspectors to examine merchandise, practically all goods coming to United States ports are sampled. That fact alone probably accounts in part for the very large number of detentions at present. It is the belief of government that foreign parts are shipping goods stored for four or five years by reason of the fortunes of war—a time during which quality went bad but, in the opinion of shippers, not bad enough to prevent attempts to crash the barrier of the pure food and drug laws.

Balsams

Peru—In fair supply, sufficiently so to permit sellers to supply demands with fair promptness and at very steady prices.

Tolu—Supplies still on the low side with conditions failing to show signs of probable improvement. Prices were strongly maintained and tended upward.

Barks

Cinchona—Prospects for a resumption of exports of bark from the Netherlands East Indies brightened last week when a commission of Indonesians flew to Holland for a conference with Dutch government representatives to bring about a final settlement of the political situation in the Far East. The negotiants were close to agreement when they took to the air.

Dogwood—Jamaica bark was advanced to 12c. to 14c. per pound to bring spot and replacement costs more into proper alignment.

Elm—Powdered material sold at an advance, the market ranging 53c. to 58c. per pound throughout the period and prevailing according to seller and quantity.

Imports Detained by FDA

Week Ended March 29

New York

Caraway seed, 17 bags: filthy.
Cassia, 1,599 bales: filthy.
Cassia oils, 10 drums: not U.S.P.
Coriander seed, 2,108 bags: filthy.
Colombo root, 32 bags: insect bored.
Cumin seed, 677 bags: filthy.
Dill seed, 516 bags: filthy.
Ergot, 40 packages: filthy.
Fenugreek seed, 267 bags; filthy.
Galangal root, 84 bags: insect bored.
Gelatin edible, 40 cases: no net weight.
Hawthorne berries, 37 bags: filthy.
Juniper berries, 250 bags: filthy.
Mace, 74 cases: insect infested; excess siftings.
Orange Peel, 42 bags: wormy.

Market Trends

Prices Advanced

Drugs

Angelica root, domestic, 30c. per lb.
Beth root, 2c. per lb.
Cohosh root, black, 4c. per lb.
blue, 2c. per lb.
Dandelion root, 5c. per lb.
Dogwood bark, Jamaica, 2c. per lb.
Ginger root, African, ½c. per lb.
Cochin, ½c. per lb.
Jalap root, 2c. per lb.
Kola nuts, 2c. per lb.
Malva flowers, 25c. per lb.
Mullein leaves, 8c. per lb.
Patchouli leaves, 4c. per lb.
Papain, powd., 25c. per lb.
Senna, Alex., half leaf, 1c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Mustard seed, Montana, brown, ½c. per lb.
oriental, ½c. per lb.
Pimento, Mexican, ½c. per lb.

Prices Reduced

Drugs

Aloe gum, Curacao, 1c. per lb.
Areca nuts, powdered, 4c. per lb.
Bloodroot, 5c. per lb.
Blueflag root, 10c. per lb.
Colombo root, 2c. per lb.
Prince's pine, 10c. per lb.
Rose flowers, pale, 1c. per lb.

Other Articles

Caraway seed, Canadian, 2c. per lb.
Dutch, 4c. per lb.
Celery seed, Indian, ½c. per lb.
Marjoram, Chilean, ½c. per lb.
Poppy seed, Dutch, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
278.2	279.0	278.9	236.5

(For Current Prices see page 9)

Beans

Vanilla—Demand was good. Buyers with contract commitments took tenders promptly and new customers found it difficult to secure acceptance of their orders, this because of stocks being well engaged ahead. The replacement situation holds little promise for a substantial increase in stocks and normal times appear to be very far removed from the present.

Berries

Hawthorn—An arrival of 37 bags was detained by the Food and Drug Administration because of the quality being below standards.

Juniper—The Food and Drug Administration finds numerous arrivals unfit for consumption here and hence detentions prevent a sharp rise in unsold spot stocks of good quality merchandise.

Flowers

Lavender — From Arsens, Algeria, came 51 parcels of this flower, same probably being spike lavender.

Malva—Blue flowers were more valuable and sales in a limited way were reported made at $1.50 to $1.60 per pound. The range covered variations in sellers' minimum price views.

Orange—The supply has not been renewed for some time and a rising of an even moderate consuming demand resulted in a rise in prices to the basis of 48c. to 50c. per pound.

Rose—Pale flowers were a shade lower at 44c. to 45c. per pound, and it was intimated that large business would bring substantial competition to the local market, where prices were definitely unsteady.

Gums

Locust Bean —Further importations from Liverpool totaled 100 bags of this textile gum.

Mastic—The spot market was considered to be nominal at about $3.50 per pound but quarters normally stocking the item still had none. It was thought that the recent arrival had been sold into consumption prior to its reaching here.

Karaya—The market position in India was said to be stronger and values had a strong urge toward higher levels at all points. An arrival of 1,267 bags from Bombay was reported.

Herbs and Leaves

Broom Tops—Sales were made at 21c. to 24c. per pound depending on quantity and delivery. A marked strengthening was noted.

Eucalyptus—The trend was toward strength and somewhat higher position in keeping with replacement market conditions and prices.

See Late Market Developments, See Page 4

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A GOOD FOUNDATION

Not even the trying conditions of wartime ever succeeded in tempting us into a compromise with quality. Now that consumer standards are gradually but surely climbing back, you owe it to your products to "standardize on Hopkins" as much as possible. It will pay you, as always, to get in touch with us immediately regarding any Foreign or Domestic Botanical Crude Drugs for which you may be in the market.

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☐ Anise Seed
☐ Boldo Leaves
☐ Buchu Leaves
☐ Colocynth Pulp
☐ Colombo Root
☐ Fennel Seed
☐ Gentian Root
☐ Ginger, Jamaica, Calicut, African
☐ Gum Arabic Amber Sorts
☐ Gum Karaya, Whole and Powder
☐ Hosehound Herb
☐ Juniper Berries
☐ Kamala Powder
☐ Orris Root
☐ Quince Seed
☐ Rosemary Leaves
☐ Sage Leaves
☐ Senna Leaves and Pods
☐ Strophanthus Seed 100% Kombe
☐ Thyme Leaves
☐ Uva Ursa Leaves

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WAREHOUSES AND PROCESSING PLANTS: BROOKLYN, N. Y., NEWARK, N. J.

Liverwort—Sellers' views spread more widely last week. Some held for 65c. per pound and others called the market 75c. No competition existed.

Marjoram—Chilean material was fractionally lower at 11c. to 11½c. per pound for spots, and 10½c. to 11c. for later arrivals.

Mullein — Sellers showed growing reserve in making offers and reported sales on the higher basis of 15c. to 16c. per pound.

Patchouli—The Fareastern primary market has at last gotten goods through to this market. An arrival of 150 packages from Singapore was reported last week. Prices were set minimum at 38c. per pound.

Peppermint—Scarcity prevailed and some quarters had nothing to offer. U.S.P. domestic leaves were more strongly held and the market was $1.20 to $1.25 per pound.

Sage—California Dalmatian sage will no longer be offered to this market. Production will be preserved for the purpose of making oil. Dalmatian sage is offered at last, being quoted at 34c. to 35c. per pound.

Senna—Some Alexandrian half leaf was available in sparing quantities at the higher price of 20c. to 22c. per pound.

Miscellaneous

Areca Nuts—The market eased sharply to 17c. to 18c. per pound for powdered material with whole goods costing 2c. less.

Cassia—An arrival of 54 bags from Grenada was noted.

Irish Moss—More moss "makes" from Havre, France. The landing totaled 150 bales more last week and price unsettlement continued.

Kamala—India is shipping the material more frequently. The latest arrival was 85 bags from Bombay and prices tended toward further decline.

Kola Nuts—Local merchants quoted the market higher at 11c. to 12c. per pound and indicated that unsold stocks on spot were comparatively small.

Papain — Although one quarter quoted $4.25 per pound, it is admitted that the figure is hardly more than that because of shortage in spot goods. Others want and get $4.50 to $4.75.

Roots

Angelica—An importation of 13 bales arrived from Antwerp but a price has yet to be established. Last transactions were at $2.50 per pound. Domestic root was higher at $1.30 to $1.40 because of high cost and low stock in the country.

Beth — Some gain in demand strengthened the market and set prices at 45c. to 55c. per pound—depending on seller.

Blood—Possibly in anticipation of new collections, spot quotations have been revised downward to 60c. to 65c. per pound.

Blueflag—Pressure for a liberal collection is noted. Prices on spot stand somewhat lower at 60c. to 65c. per pound but high rates are being offered primary market collectors.

Cohosh—Black was higher at 22c. to 28c. per pound, prevailing as to seller, and blue was also higher at 24c. to 25c. with more unanimity being noted in opinions concerning values.

Colombo — Recent arrivals have eased the market undertones and spot quotations were down to 12c. to 14c. per pound.

Dandelion—Although root recently arrived from South America, spot stocks have been revalued upward to 75c. to 80c. per pound in the absence of competition.

Gentian — Stocks increase. Last week, 408 bales arrived from Arsen, Algiers. Additional quantities are coming from Italy and France.

Jalap—Higher prices reflected virtual total absence of primary market offerings. Whole root was up to 34c. to 36c. per pound; powdered, 40c. to 42c.

Turmeric—No Haitian root was offered locally for arrival at either New Orleans or Miami. An arrival of 469 bales from Bombay, India, was reported.

Seeds

Caraway — Some Dutch seed was bought for import at 24c. per pound. Local sellers offered April shipment at 30c. Spot goods were down to 38c. to 39c. Canadian seed dropped to 40c. to 41c. and Danish was weaker.

—Continued on page 72

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Stock Syrup

Fluid Extract of

White Indian Hemp	2¾ ozs.
Pink Root	2¾ ozs.
Mandrake	2¾ ozs.
Bitter Root	2¾ ozs.
Balmony	5 ozs.
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Mix

Stock Syrup	1 oz.
Simple Elixir	12 ozs.

Sig: 1 Teaspoonful half hour before breakfast.

Magoffin's Worm Syrup

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(To be continued)

WAREHOUSE AND MILLS
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TRADE From Forty Nations MARK

Essential Oils, Other Aromatics

Sellers experienced less pressure in supplying the needs of consumers in the market for essential oils and aromatic chemicals last week. Imports of a number of essential oils improved sufficiently during the past few months to scale down the accumulated inquiries. On the other hand, production schedules for several aromatics have been accelerated to permit producers to narrow the heavy backlog of orders. In most instances, however, bookings were made solidly for the current month, and in some cases a substantial part of the output has been taken up for next month. Except in a few materials, manufacturers were not in a position to accept new business for prompt shipment.

The inability to obtain Java citronella has precluded any sizable production of geraniol, geranyl acetate, citronellal, citronellol and hydroxycitronellal. Some factors were continuing to make imitation materials to supply the needs of the soap trade, and these substitutes have been accepted and approved by most leading consumers. Nevertheless, with the continued shortage of raw material, producers experienced difficulty in expanding current output of the synthetic products. Although some suitable citronella has arrived from Central America, it has not been sufficient to stimulate production.

Shipping difficulties, both internal and water borne, have delayed shipments of red thyme oil to this country. The spot position of the market remained tight, and replacements were awaited to supply the backlog of orders. The spot position of other Spanish oils was not too unsatisfactory, sufficient quantities of rosemary were available to meet consumers requirements, while sage oil was obtainable in moderate quantities. Stocks of lavender spike were not burdensome, but the lack of buying interest tended to ease the market. Shipments of various oils from Spain have not been up to normal because of the poor crop conditions last season. The remaining stocks in that country will be subject to higher replacement costs, since the government controls exports and prices. It was too early to determine the status of the present crop, but more specific information was expected within the next few weeks.

Market Trends

Prices Advanced

Citronella oil, Ceylon, 5c. per lb.
Fir oil, Canada, 25c. per lb.
Orange oil, Brazil, 5c. per lb.
Calif., 5c. per lb.
Florida, 5c. per lb.
Petitgrain oil, 20c. per lb.
Pineneedle oil, 15c. per lb.
Rosemary, U.S.P., 5c. per lb.

Prices Reduced

Anise oil, Chinese, 25c. per lb.
Bay oil, Puerto Rican, 17c. per lb.
Coriander oil, $1.50 per lb.
Guaiacwood oil, 10c. per lb.
Lavandin oil, 25c. per lb.
Lime oil, dist., Mex., 25c. per lb.
Ylang-ylang oil, 50c. to $2 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
216.8	216.7	219.0	217.2

(For Current Prices see page 9)

Essential Oils

Anise — Offerings of Chinese were made on spot at $3 per pound, a decline of 25c. from previous quotations. Despite the long absence of material from the Far East, interest in the market was not too broad.

Bay—The Puerto Rican, 50-55 percent material was offered in one quarter at $1.58 per pound. The market was moderately supplied to meet consumers' nearby requirements.

Bergamot—Buying interest failed to expand for the natural material, but quotations were maintained at previously established levels.

Bois de Rose—A total of 12 drums arrived here last week. Market was adequately supplied on spot, and quotations were held at the $5 per pound level.

Cajeput—Only limited offerings of old stocks were available; the technical was quoted at $2.25 per pound and the redistilled at $2.40 per pound.

Cade—Inquiries were moderate, and market was in a fair position. Imports amounted to 10 drums last week. Prices held firm.

Cassia — Arrivals aggregated 10 drums last week. Spot position was fair, but interest lagged. Quotations ranged from $8 to $10.25 per pound.

Citronella—A slightly firmer tone was prevalent and spot prices advanced to the basis of $1.75 to $1.85 per pound. The market remained in statu quo, pending government's decision to appeal recent Custom Court decision on the tax for this material.

Clove — Supplies and demand remained at steady levels to keep market in a firm position. Arrivals last week totaled 3 drums.

Coriander—Offerings were made in one quarter at $22.50 per pound, and ranged to $35 per pound, depending on quality and origin.

Eucalyptus — Shipments reaching here amounted to 47 drums last week. It was indicated that most of the material would find its way directly into consuming channels. Quotations for the 80-90 percent material ranged from $1.18 to $1.40 per pound.

Fir—Canadian oil was higher, ranging from $2.50 to $2.80 per pound. Interest was moderate from regular consumers.

Geranium — Demand and supplies were only fair, and prices held at previously established levels for the Bourbon. Imports were 14 packages last week.

Guaiacwood — A total of 26 casks reached here from South America last week. Market was well supplied, and prices declined moderately to the basis of $3 per pound.

Lavandin—Quotations tended lower, and offerings were made at $5.25 per pound. Buying was along narrow lines.

Lemon — Market position remained tight, reflecting the limited domestic production, and the disappointing government surplus offerings.

Lemongrass — Prices were firmly maintained, with spot offerings made on a limited scale. Arrivals aggregated 15 packages and one drum last week.

Lime—Distilled Mexican lime was offered in one quarter of the market at $5.75 per pound. Market position was satisfactory, and imports totaled 24 cases last week.

Orange—Prices were slightly higher; Brazilian was quoted at $1.35 to $1.65 per pound; California, $1.60 to $2 per pound, and Florida, $1.45 to $1.60 per pound. Demand was only fair, and stocks were not large.

Palmarosa—Spot offerings were limited, and offerings continued at $7.50 per pound. Only one pot arrived here last week.

Peppermint—Buying interest remained fairly steady, and market retained its firm position. Government purchases from January 1 through February aggregated 42,000 pounds, according to the U. S. Department of Agriculture.

Petitgrain—Higher replacement costs reflected in higher spot quotations, which ranged from $2.95 to $3.30 per pound. A total of 65 drums and 100 cases were imported during the past week.

Pimento—A total of six cases of pimento leaf oil arrived last week. Prices ruled firm, and market was in a fair position.

Pineneedle—Prices were revised upward to the basis of $3.25 per pound, reflecting higher replacement costs at the source. Demand routine.

Rosemary — Arrivals last week amounted to 10 drums. Spot quotations advanced 5c. at $1.50 to $1.75 per pound for U.S.P. material. Stocks were moderate.

Sandalwood—Trade awaited arrival of Mysore sandalwood to fill their needs. A fair-sized backlog of orders has been built up over the past few months.

Thyme—The arrival of red thyme has been delayed by shipping difficulties, while present spot position was limited. Stocks of white oil were difficult to obtain. Prices firm.

Ylang-Ylang—Offerings were lower in one quarter, the Bourbon extra ranged from $18.50 to $24.50 per pound;

For Late Market Developments, See Page 4

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Named Vice-President

Ernest H. Volwiler, who has been elected executive vice-president of Abbott Laboratories, Chicago, started with the company in 1920 as a chief chemist and in 1933 was appointed vice-president in charge of research and development.

first, $14.50 to $18.50 per pound; second, $11 to $14.50 per pound, and third, $6 to $9.50 per pound. Market position improved during the past few weeks.

Aromatic Chemicals

Acetophenone—Market position was fairly well maintained, with deliveries running slightly behind production. Prices unchanged and firm.

Amyl Salicylate—Situation satisfactory at the moment, however, raw material situation will be determining factor over the next month or two. Prices firm.

Benzyl Compounds—Benzyl acetate, alcohol, benzoate and salicylate were in good position, and sellers were able to supply consumers' needs for moderate quantities. Prices unchanged.

Coumarin—Sellers continued to experience difficulty keeping up with the demand, and tight position of the market lacked improvement. Prices held at previous levels.

Ionones—Spot position was such that sellers were restricting offerings to regular channels. Prices were firm.

Musk—Little change developed in the position of musk ambrette and ketone, with offerings usually on an allocated basis; xylol retained its satisfactory position. Prices firm.

Phenylacetic Aldehyde—Sellers were booked several weeks ahead against current production, and deliveries were subject to delays. Prices were well sustained.

Phenylethyl Alcohol—Demand continued to run ahead of production, and sellers were unable to book new business.

Vanillin—Situation lacked improvement, with production difficulties encountered in some directions. Business remained on an allocated basis to regular consuming channels.

S.M. Murphy Returns To National Can Corp.

Lieutenant Stephen M. Murphy has rejoined the sales staff of the National Can Corporation, New York, after three years overseas service with the Air Forces. He is the son of E. D. Murphy, vice-president of the company.

Ritchie & Janvier Elects Folensbee Vice-President

Myron J. Folensbee has been elected vice-president of Ritchie & Janvier, Inc., national sales agents for pharmaceutical and toiletry products, Bloomfield, N. J. He was formerly promotion manager for Whitehall Pharmacal Company, New York.

Prices Current

—Continued from page 33

Zinc resinate, fused, 18% Zn, lump, dms.	lb.	.11 - .12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½- .15
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
smaller lots, same basis.	lb.	.30 - .31
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l., same basis	100 lbs.	4.15 - —
flake, bgs., c.l., same basis.	100 lbs.	3.90 - —
l.c.l., same basis	100 lbs.	4.55 - —
powd., bgs., c.l., same basis.	100 lbs.	5.35 - —
l.c.l., same basis	100 lbs.	6.10 - —
Zinc sulphate, in bbls., 25c. higher.		
Sulphide,[1] pure, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.90 - 1.00
Magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .30
Tallate, 5% Zn, dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.60
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies,	lb.	.06¼- —
Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium acetate, solut., bbls., works.	lb.	.25½- —
Hydride, cns., works	lb.	7.00 - 8.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works.	lb.	.22½- —
l.c.l.	lb.	.22¾- —
white, 98½-99%, grd., kgs., works.	lb.	.80 - —
milled, electric, fused, 2,000-9,999 lbs., works.	lb.	.46 - —
500 lbs. and less, same basis.	lb.	.46½- —
Oxychloride, crust., bbls., 5 tons, works.	lb.	.20½- —
Sulphate, basic, cake, bbls., c.l., works.	lb.	.18 - —
l.c.l., works	lb.	.18½- .20
smaller lots, works.	lb.	.30 - .31½

Trade Briefs

Howard H. Parker, jr., recently discharged from the navy, has been appointed Omaha area sales service representative of the laundry and dry cleaning division of Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

General Laboratory Supply Company, Paterson, N. J., has added to its executive staff M. K. Murdichian, who for the past eleven years has been associated with Merck & Co., pharmaceutical manufacturer, Rahway, N. J.

Continental Can Company, New York, has named L. C. Walgash chief industrial accountant, succeeding W. W. Hodgson, who has retired after twenty-two years service.

Edward Blank, formerly with the Government Printing Office, has been apointed planning manager of the Ever Ready Label Corporation, New York.

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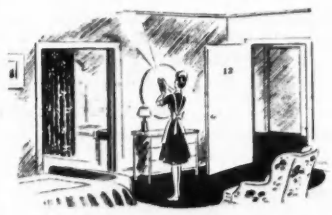
GIVAUDAN NEWS DIGEST

ABSOLUTE RESINS by Givaudan, made from the finest grades of gums and resins, have important fixative value. They are easy to use, soluble in alcohol, miscible with perfume materials of all sorts, and retard the volatility of the lighter and more evanescent odors. The Givaudan ABSOLUTE RESINS meet the high standard of purity and odor perfection for which the name of Givaudan is known. They have met the test of time and experience, and are accepted wherever high-grade perfumes are made. Included in the Givaudan line are ABSOLUTE RESINS from Balsam Peru, Castoreum, Galbanum, Labdanum, Myrrh, Olibanum, Opoponax, Styrax and Tolu.

★ ★ ★



THERE'S NOTHING WRONG with some insecticide solutions that a good odor neutralizer cannot cure. Disagreeable product odor can be a formidable barrier to repeat sales. Send us a sample of your unperfumed insecticide solution or information concerning the solvents used, and we shall be glad to recommend the correct odor neutralizer to enhance the sales appeal of your product.

★ ★ ★

WE POINT WITH PRIDE to the Certificate of Merit just received from the State of New Jersey Department of Labor in a State-wide Interplant Safety Contest. The Certificate was awarded to the management and employees of Givaudan for maintaining a perfect safety record.

★ ★ ★

AND SPEAKING OF PERFECTION... Givaudan's aromatics...chemicals ...blended odors...fixatives... have long been recognized for their position of leadership in this country. Take, for example, Givaudan's MUSC ZIBATA*...This new natural domestic musk will impart to your odor composition an intriguing and delightful animal note, as well as the most desired lasting qualities.

★ ★ ★

"I SAW VETIVERT being packed into the still...I smelled the sharp, pungent and pleasant mint which has been the source of Brazilian menthol..." Read A. T. Fiore's interesting account of his trip to Brazil, in the February issue of *The American Perfumer*. Also, just rolling off the press, a new booklet, *Sunscreening Agents by Givaudan*. Send for your copy.

*Reg. U. S. Pat. Off.

"Buy Wisely—Buy Givaudan"
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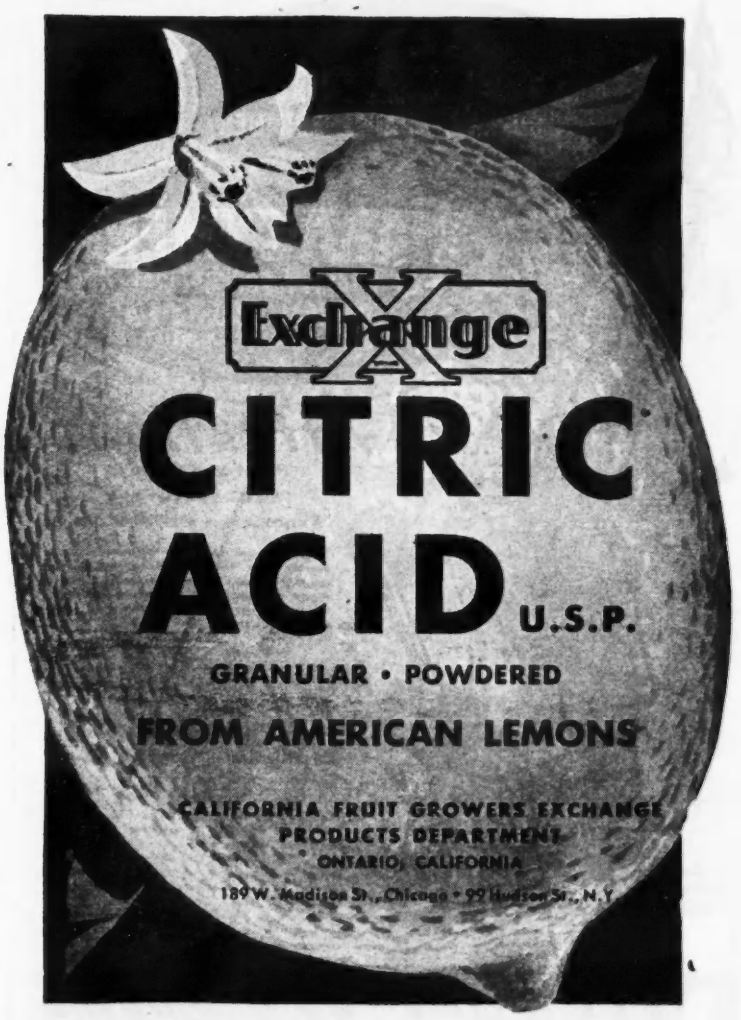
Industrial Products Division
330 W.42nd St. • New York 18, N. Y.



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XXX QUALITY FOR SPECIAL USE
TECHNICAL QUALITY FOR
SHOE POLISHES, PRINTING INKS, ETC.

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Exporters - Distributors

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BIRMINGHAM, ALA.

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Better Paint!

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Metasap!

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METASAP CHEMICAL COMPANY

Stearates
REG. U. S. PAT. OFF. of Aluminum • Calcium • Lead • Zinc

Protective Coatings Materials

Though meeting the announcement by the Civilian Production Administration of a reduction of 10 percent in allocations of metallic lead to the makers of lead pigments with some measure of equanimity, many of the foremost operators in the protective coatings industry have voiced the opinion this past week that, in view of the heavy postwar increases in costs of raw materials, labor and overhead expenses, their industry is entitled to some relief in the form of commensurate advances in their price ceilings. And they are now planning to present to the Office of Price Administration briefs and petitions for a lifting of the present ceilings.

Depending largely for its present sizable volume of sales upon its supplying of the coatings for residential buildings, the paint industry has not been unduly distressed by the virtual ban on new industrial construction, except for those already begun, or those receiving CPA's and FHA's express authorization until the war veterans' home-building program has been completed. And the industry is pleased to note that the Government order, thus giving priority to veterans' housing, has specifically exempted from the industrial building restrictions such jobs as repainting, repapering and sanding floors and greasing, overhauling, repairing or installing repair or replacement parts in existing mechanical equipment in all types of structures, where no change in the structure is made. It has also been enheartened by the exemptions granted in favor of small construction, repair, alteration or installation jobs, ranging from $400 for houses or other structures on residential property to $15,000 for factories.

Metallic Lead and Zinc

As they had long been anticipated and hence had been pretty thoroughly discounted, CPA's actions, in cutting the allocations of metallic lead for the second quarter to the manufacturers of red lead, white lead and lead chrome pigments, whose quotas have thus been slashed from 48½ to 38½ percent, and in reducing permissive inventories of lead from 45 days' to 30 days' supply by amending the old lead chemicals order M-38 and by transferring lead inventory controls from M-38 to regulation PR-32, have not thrown the makers of these pigments into a state anywhere nearly approaching consternation. It had been generally realized that this downward revision of lead allocations, which has reduced them from 257,000 tons in the first quarter to 230,000 tons for the current quarter, was necessitated by the discovery that the indicated demand for lead, this year, is reaching a total of about 1,040,000 tons, while the indicated supply runs only around 860,000 tons.

Prices of pig lead have continued unchanged for the week March 29-April 5 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Domestic production of metallic zinc continues to fall below that of recent years and there is still a shortage of the high grades of zinc slabs. Prices of zinc slabs have remained unaltered for the week March 29-April 5 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

White Lead—Cutting of the CPA's allocations of pig lead by 10 percent, through a lowering of the protective coatings industry's quota from 48½ percent to 38½ percent, and the reduction in permissible inventories from a 45 days' to 30 days' supply for the second quarter of this year has handicapped still further the operations of the makers of white lead as well as red lead and lead chrome pigments, but the exact extent of the curtailment of these operations resulting therefrom remains to be determined.

Market Trends

Prices Advanced

Hardwood charcoal, producers' prices, in Michigan, $9.50 per ton; in Missouri, $7 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(For Current Prices see page 9)

Fillers and Extenders

Charcoal—Availing themselves of the authorization granted by OPA in its amended MPR 431, three weeks ago, for advancing ceiling prices on hardwood charcoal, sold directly by producers to industrial users, by $9.50 per ton in Michigan and Wisconsin, by $10.50 in New York and Pennsylvania, and by $11.80 in Tennessee and Arkansas, two producers in the Michigan area have marked up their prices for briquets and granular grades by $9.50 per ton, making their revised quotations $44.50 and $49.50-$50.50 for briquets in bulk and in bags, respectively, and $53.50 for granular, while one producer in Missouri has increased his price on lump hardwood charcoal from $31.25 to $35 in bulk, and from $31.00-$32.75 to $38.00-$40.00, packed in returnable burlap bags.

Talc—The first importation of Jaipur Indian talc for cosmetic use since the cessation of shipments at the outset of World War II has reached New York with the arrival of 9,000 bags, or approximately 1,000 tons of this high quality material and an importation of 70 cases of steatite talc has also been recorded.

Dry and Chemical Colors

Carbon Black—Manufacturers of high color, channel and furnace blacks are experiencing some difficulty in meeting the steadily increasing requirements of the producers of automotive vehicle finishes, rubber tire makers and the paint idustry in general.

Chrome Colors—The recently issued new lead chemicals order L-354 is limiting the consumption of metallic lead in lead chrome pigments to 38½ percent of the amount consumed by their manufacturers during the first six months of 1944.

Driers and Flatteners

Naphthenates—With manufacturers of the metallic naphthenates amply supplied with naphthenic acids, the paint and varnish makers are having no difficulty in placing their orders and obtaining reasonably prompt deliveries.

Stearates—These flattening agents continue moving in fairly sizable volume into consuming channels in the paint trade but buying by the rubber tire makers has slackened considerably and some plants are looking for more orders.

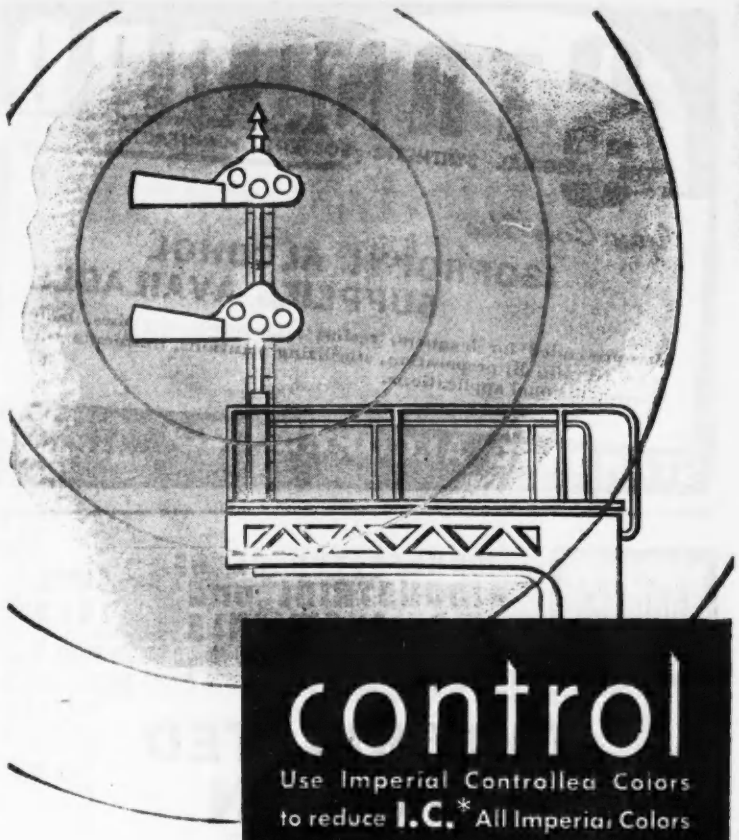
Lacquer Materials

Dibutyl Phthalate—The recently strengthened market for butyl alcohol is finding reflection in a stiffening of price views on dibutyl phthalate. Seemingly, price cutting in that material has ended and the trend now seems to be strongly upward.

Naval Stores

Rosin—With an old crop carryover of 320,000 drums of gum and wood rosin still available and with the prospects bright for steadily increasing offerings of new crop gum rosin within the next few weeks, there is seemingly no likelihood of a further pinch in this oleoresinous product at the outset of the new crop season, unless meanwhile the requirements of the principal consuming industries now generally contracted, are unduly expanded. Gathering of the new crop gum is proceeding rapidly but its movement to the distillation plants is being somewhat retarded by difficulties in shipping it out of the pinewoods of the South, because of the flooding of these generally low woodlands by the torrential rains which fell

For Late Market Developments, See Page 4



OPD—4-8-1946 63

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The largest manufacturers of chemical pigment colors in America

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For use as an anthelmintic for cattle, sheep, swine, horses, etc., and as an insecticide.
Meets national formulary specifications
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Chemicals for the Nation's War Program
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"THE ORIGINAL SYNTHETIC SOLVENT MANUFACTURERS"
You Can Use
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Recommended for lacquers, resins, laminating varnishes, body rubs, vitamin B1 preparation, sterilizing solutions, liniments and many additional applications.
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NAPHTHENATE DRIERS
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Ferro Naphthenates include 8% ZINC...6% MANGANESE ...6% COBALT...24% LEAD. Prompt shipments can be made.
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MINERAL PIGMENTS and EXTENDERS
BLACK, BROWN, RED, YELLOW IRON OXIDES
METALLIC BROWNS, UMBERS, VENETIAN REDS, OCHRES
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Chromium Oxide and Hydrate
Barytes, Clay, Talc, Whiting
C. K. WILLIAMS & CO.
EASTON, PA.

in these regions about six weeks ago.

Meanwhile, supplies of Nancy, Waterwhite, Windowglass and the X grades are none too plentiful, although there are fairly large amounts of the lower and darker grades. More liberal offerings of wood rosin are looked for shortly as the output mounts. Domestic demand is not especially keen, but export inquiry is spirited, particularly for the paler grades. But no export licenses have been issued for the last three weeks and the export quota for the second quarter has not yet been announced. Trading on the Savannah Naval Stores Exchange has dwindled further of late.

Savannah, April 5.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.96	6.96	6.96	6.96	6.96
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50
	Drums—				
Sales	...	...	36	...	...
Receipts	45	105	13	51	25
Shipments	103	...	...	...	406
Stocks	3,342	3,147	3,460	3,511	3,530

Turpentine—In view of the brilliant outlook for a sizable crop, this year, offerings of old crop stocks of gum turpentine have been a little freer, this past week than for some time past. There is still a marked shortage, however, in steam-distilled turpentine and sulphate wood turpentine. The CCC parity price has been left unchanged at a nominal level of 82.24c. per gallon, and such trading as is still being recorded on the Savannah Naval Stores Exchange continues at 83½c.

Savannah, April 5.—Following is a record of the market for the week:—

	Bulk gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Monday	83½	...	51	51	2,104
Tuesday	83½	...	127	210	2,021
Wednesday	83½	...	26	193	1,854
Thursday	83½	...	...	284	1,570
Friday	83½	...	...	62	1,508

Synthetic Resins

Urea Formaldehyde Resins—Demand appears to be far outstripping supply. Moreover, there is a strong likelihood of a limitation in output, if butyl alcohol becomes much higher priced or if some shortage develops in urea.

Varnish Gums

Copal—The local market is again nearly bare of stocks of Congo copal and none of the importers has yet been able to figure the prices at which he can make new offerings of this gum, landed here, as none of them can yet determine what his costs will be on new material.

Shellac—With the customary sellers in the primary markets of India continuing to withhold offerings of shellac from last year's crops and with the initial marketing of the new Bysaihki crop still a month off, the local market is nearly bare of stocks of seedlac, T. N. and superfine for bleaching operations, with a resultant further slowing down of operations.

Exports of shellac from Calcutta to all consuming countries for the twelve months, January through December, 1945, as compared with those for 1944 and 1943, are shown below:—

	Packages— 1945	1944	1943
Orange	178,360	105,297	221,926
Garnet	9,741	3,889	5,100
Button	10,099	2,400	14,569
Seed	64,951	64,172	6,954
Stick	161	.....	25
Kiri (refuse)	656	100	.....
Totals	263,968	175,858	248,574

Glues and Binders

Casein — American markets for casein are at a standstill, awaiting action by OPA on the applications made to it by importers and users for an increase in the ceiling prices on this material from the present 24-cent to a 38-cent basis.

Glues—Already greatly handicapped in their productive activities by lack of an adequate supply of labor and a growing shortage and abnormally high costs in gluestock, manufacturers of both hide and bone glues are now facing a further curtailment of their operations with the advent of warmer weather.

Trade Briefs

Masco Chemical Company has moved into newly-erected buildings in Kearny, N. J.

Philip Heilberger has joined the Arrow Lacquer Company, Brooklyn, N. Y., as chief chemist.

Charles W. Hoyt Company, New York, has been named to handle the advertising for products of Devoe & Raynolds Company, paint manufacturer, New York, and affiliated companies.

Shawnee
DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Zinc Chromate
Toluidine Reds
Para Reds
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Lake Colors
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Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
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FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES
ZINC CARBONATE — ZINC STEARATE
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AND PASTE, ALL GRADES

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CABLE ADDRESS: FIRSTOLINE

AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Established in 1815 • Plants at Dighton, Mass. and Charlotte, N. C.
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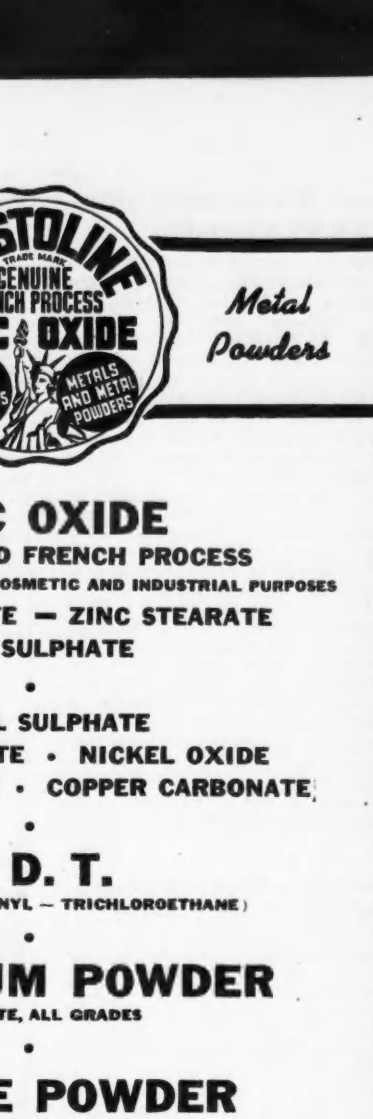

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Here's a new varnish oil that will step up production — save time — save labor.

DORSCOPOL-L merits attention even without its unusually hard drying properties . . . this varnish oil has excellent color and color retention, is fast bodying, soluble, water resistant, and cooks into hard resins at any oil length. The *versatility* of DORSCOPOL-L makes it one of the best varnish oils available on the market today.

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PROPERTIES OF DORSCOPOL-L			
Viscosity	Z-Z1	Color (H-K)	2
Color (Gardner)	5-6	Acid Value	5-9
Gelation Time 565° F.	90 Minutes		
Color retention	Excellent	Flexibility	Excellent
Solubility in hard resins	Excellent		

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64 Pine St., San Francisco 11
Refinery at Richmond, Calif.
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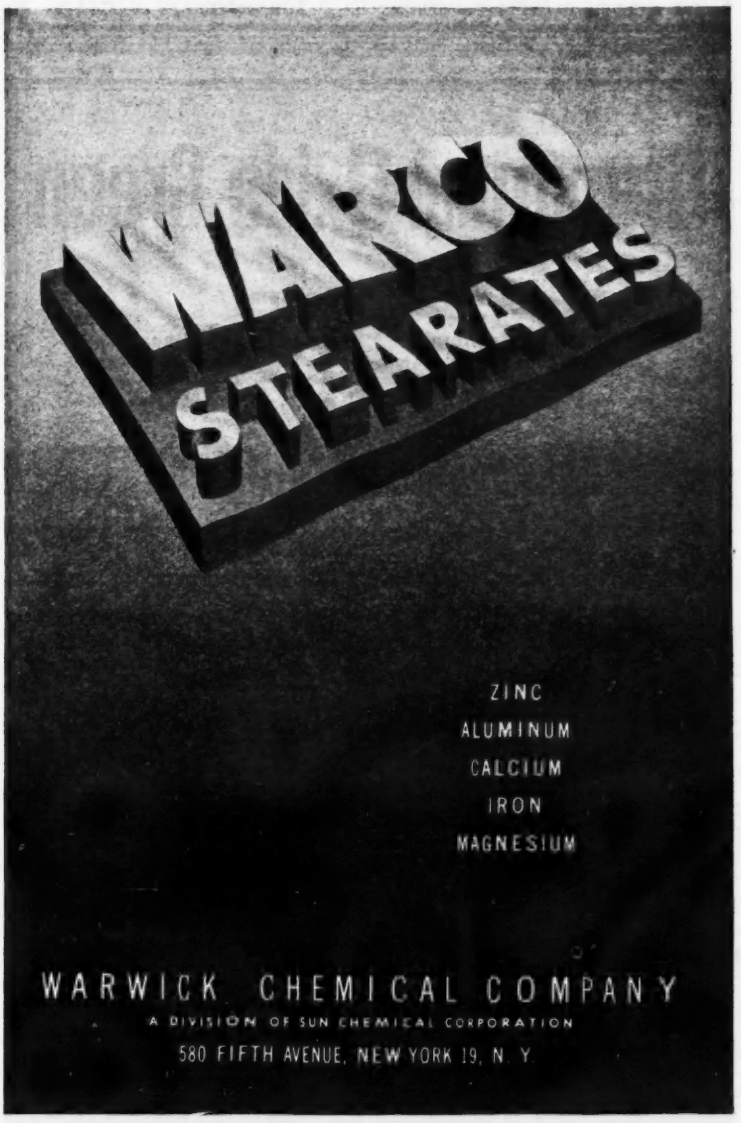
Agents in all principal cities

Master PROCESSORS OF PAINT & VARNISH OILS



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A DIVISION OF SUN CHEMICAL CORPORATION
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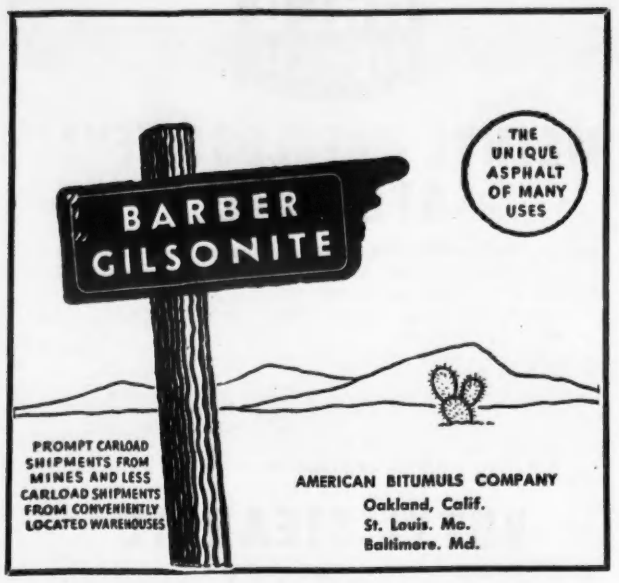
BARBER GILSONITE
THE UNIQUE ASPHALT OF MANY USES
PROMPT CARLOAD SHIPMENTS FROM MINES AND LESS CARLOAD SHIPMENTS FROM CONVENIENTLY LOCATED WAREHOUSES
AMERICAN BITUMULS COMPANY
Oakland, Calif.
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ODORMASQUE P
For MASKING the odor of PAINTS, SOLVENTS, MINERAL SPTS., KEROSENE, INSECTICIDES, etc., at a fraction of a cent per gallon
Manufactured in California by
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Chromium Oxide Green
99% Cr_2O_3 minimum
Extra soft texture — High tinctorial strength
PROMPT DELIVERY
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NUODEX Liquid Driers
Metal content certified not to vary more than plus or minus 0.1%. — Available for priority and non-priority materials.

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NUODEX PRODUCTS OF CANADA, LIMITED, LEASIDE, ONTARIO

Paints Recommendation R144-45 Available

Printed copies of Simplified Practice Recommendation R144-45, Paints, Varnishes and Related Products, are now available, according to the Division of Simplified Practice of the National Bureau of Standards.

This revision supersedes the war emergency revision of 1943, the purpose of which was to enable the industry to contribute to the war effort by a reduction of 33 percent in the number of colors for the various products of the industry and by permitting substitute materials for containers.

The current revision represents an effort to adapt the recommendation to the postwar needs of consumers. In general, it will increase the number of colors for some products, add small sizes and a two-gallon container for certain items, and will eliminate certain portions of the text of the previous issue which were essential to the emergency program.

Copies of Simplified Practice Recommendation R144-45 may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., for 5 cents each.

Reichhold's Elizabeth Plant Celebrates Tenth Birthday

The staff of the Elizabeth, N. J., plant of Reichhold Chemicals, Inc., Detroit, recently held an open house and cocktail party to celebrate its tenth anniversary. More than 120 guests were taken on a tour of inspection and shown the facilities for the production of synthetic resins.

A number of executives from the company's main office were present, including Henry Reichhold chairman of the board; C. J. O'Connor, president; Fred Grosius, treasurer, and T. Kenneth Haven, vice-president. Dr. S. H. Baum, vice-president in charge of all eastern plants, and C. A. Knauss, vice-president in charge of eastern sales and technical development, were among those on the welcoming committee.

Pratt & Lambert Elects Three Vice-Presidents

Pratt & Lambert, Inc., paint manufacturer, Buffalo, N. Y., has elected three new vice-presidents. They are T. E. Murphy, manager of industrial sales; R. C. Stark, general superintendent, and C. W. Brown, resident manager of the company's eastern division.

J. C. Schroeder, resident manager of the western division was elected an assistant vice-president, and J. P. Nolan, purchasing agent, was elected secretary.

Trade Briefs

Indiana Standard Oil Company plans to spend $150,000,000 this year on new facilities.

Shell Oil Company, New York, is constructing a complete lubricating oil manufacturing plant in Houston, Tex.

Atlantic Refining Company, New York, has elected to its board Hugh W. Field, assistant manager of the research and development department.

IRON BLUES
Prussian—Chinese—Milori
Bronze—Toning—Potash
CHROME GREENS
All Shades—Strengths
UTILITY GREENS
Permanent—Acid and Alkali Resistant
Specialization assures Superior Quality
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- Aids dispersion of other pigment.
- Saves wear on grinding mills and speeds production.
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KRUMBHAAR CHEMICALS, INC.
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Makers of Finest Synthetic Resins

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ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES

PLASTICIZERS and EXTENDERS
DUTREX 6 for RUBBER
DUTREX 20 for PVC RESINS
Petroleum Naphthas and Solvents
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Refinery By-Products
SHELL OIL COMPANY, INC.
50 WEST 50TH STREET NEW YORK 20, N. Y.

Oils, Fats, and Waxes

Department of Agriculture was in the market for crude coconut oil for delivery to UNRRA, and expected to buy from 8,000 to 10,000 long tons on the Pacific coast at ceilings. Officials stated that they were only taking oil offered them by dealers and that purchases were not being requisitioned. The department denied that the purchase of this quantity of oil was delaying the announcement of the coconut oil quota for the second quarter.

Prospects for the importations of olive oil from producing countries continued gloomy. It was reported that shipments of olive oil from Greece were held up by the refusal of the old government to issue export permits for olive oil under the recent agreement for the exchange of 3,000 tons for an equal quantity of soybean oil. It was understood that negotiations may be resumed with the new government. The outlook for imports of olive oil from Spain was said to be none too favorable because Spanish officials want shipments of soybean oil to be made before olive oil is exported.

An urgent demand for drying oils continued unsatisfied. Recent arrivals of several hundred tons of tung oil from the Argentine were promptly placed with consumers against standing orders at ceilings. Oiticica oil offerings for shipment from Brazil continued scanty and were restricted to July forward positions at prices close to ceilings. Supplies of this oil on the spot have been cleaned up. Dehydrated castor oil was in scanty supply, with production moving into consuming channels against former contracts.

Cottonseed Oil

Trading was slow during the week, despite an urgent demand for crude and refined oils. Production of crude was sold up and offerings were confined to an occasional tankcar at the ceiling. Refined oil continued in active request against allocation.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
May	....	....	14.31 bid
July	....	....	14.31 bid
September	....	....	14.31 bid
October	....	....	14.31 bid
December	....	....	14.31 bid
March	....	....	14.31 bid

Total sales, none.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Atlanta, April 4.—Cottonseed meal dull owing to lack of offerings. Only six or seven mills operating in Georgia at capacity. Scattered sales of tankcars of crude cottonseed oil noted at ceilings. Two tanks of peanut oil sold at ceiling last week. Offerings of all oils and meals scarce.

Memphis, April 4.—Farm work ahead of last year. Some increase in cotton acreage noted. Most oil mills closing for season. Keen demand for all cottonseed products unsatisfied.

Linseed Oil

While production of linseed oil was increased to some extent by recent arrivals of Argentine seed, crushers were not accepting new business and delivered additional quantities to reduce a heavy backlog of orders. The trade still awaited the allocation of some 3,800 tons of linseed oil recently arrived at New York from the Argentine.

Minneapolis, April 3.—Oil crushing was estimated at 50 to 55 percent of capacity in the Northwest. Mills curtailed operations in deference to their rapidly declining seed reserve.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	5,580,000	4,080,000
Since Sept. 1	201,240,000	165,750,000

Flaxseed—Seed offerings continued light, with crushers bidding at ceilings for all positions.

Minneapolis, April 3.—Crusher buyers were avid for flaxseed but failed to uncover anything of importance in the cash market or to arrive. Receipts continued to fall off daily, despite a liberal supply of boxcars.

	Receipts— 1945-46		Shipments— 1944-45	
This week	100,500	45,000	51,000	40,500
Since Sept. 1	19,496,500	9,267,000	3,841,500	1,563,500

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, April 5.—There were no shipments of flaxseed to foreign destinations during the week. Visible seed supply was unchanged at 4,724,000 bushels.

Hull, April 5.—Bombay, £40½, April; Calcutta, £35½, April; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—Consuming demand was active and continued to exceed supplies. Trading was moderate and mainly for less than carlots at ceilings.

Coconut—Exports of copra totaled 13,332 long tons in March from the Philippines to the United States, it was announced by the Copra Export Management Corp., compared with 11,788 long tons in February and 8,342 long tons in January. Shipments during April were expected to be considerably larger than in March.

Oiticica—Owing to the light offers for shipment from Brazil and scarcity of oil on the spot, trading was practically at a standstill during the week. Offerings from Brazil were limited to July-August shipment at ceilings. Arrivals totaled 1,000 drums at New York during the week and were delivered against prior contracts.

Olive—Prospects for the importation of olive oil continued gloomy. Reports in the trade were to the effect that shipments of olive oil from Greece have been held up by the refusal of the old government to issue export permits, but it is understood that negotiations may be resumed with the new government, or the agreement may be cancelled entirely. Potential imports of olive oil from Spain have been delayed, because Spanish officials insist that shipments of soybean oil be made from the United States before olive oil is exported.

Sesame—World sesame seed production during 1945 was estimated at 1,500,000 short tons, about the same as in 1944, and compared with the 1935-39 average of about 1,700,000 tons. Before the war Asia produced about 95 percent of the world supply, but the cultivation in Latin America in the last decade has reduced this figure to approximately 85 percent. China was still the foremost grower, producing about 50 percent of the world supply.

Tung—Imports of tung oil from the Argentine totaled 322 tons a week ago, instead of 125 tons as reported. This oil was distributed by CCC to the trade and was sold before arrival. Inquiry continued keen, but supplies were practically unavailable. Advices from China indicated no improvement in offers for shipment, and the market there was quoted on the basis of 45c. per pound, f.o.b.

Fats and Greases

Greases—Urgent demand continued to absorb limited offerings at ceilings. Production was sold up and was allocated against former contracts by makers.

Lard—Business was restricted to small lots to regular customers. Bulk of the output was taken for government requirements. Lard stocks in Chicago totaled 12,474,915 pounds, March 31, compared with 20,238,100 pounds March 1, and 3,988,980 pounds March 31, last year.

Tallow—Production in the East was materially reduced by the low cattle

Market Trends

Prices Advanced

Candelilla wax, 2c. to 4c. per lb.
Carnauba wax, 3c. to 5c. per lb.
Ouricury wax, 5c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	193.3	193.3

(For Current Prices see page 9)

For Late Market Developments, See Page 4

Wm. Diehl & Co.
CANDELILLA WAX
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High M. P. Substitute
OURICURY WAX
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Available in either cake or flake form
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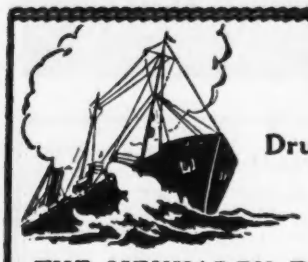
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Special Fatty Acids for Rubber Compounding
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Margarin Output Larger

Margarin production during January showed a moderate increase over December, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds — January 1946	1945
Production of uncolored oleomargarin	[1]45,521,268	55,868,112
Withdrawn tax-paid	45,400,673	56,856,076
Used in Uncolored Margarin		
Butter culture	54	.....
Butter flavor	434	492
Citric acid	216	173
Color	.....	7
Corn oil	850,901	935,428
Cottonseed oil	18,111,992	25,221,499
Derivative of glycerin	97,897	89,838
Diacetyl	1,025	83
Estearin	8,629	8,707
Lecithin	51,809	68,302
Milk	7,574,190	9,977,203
Monostearin	30,261	62,879
Neutral lard	154,012	752,886
Oleo oil	183,324	638,961
Oleo stearin	161,184	187,889
Oleo stock	16,395	120,386
Peanut oil	1,678,188	1,473,891
Salt	1,389,986	1,691,050
Soda, benzoate of	29,603	34,535
Soybean oil	15,793,984	16,097,824
Soybean stearin	.....	9,318
Soyflakes	.....	2,945
Sunflower oil	.....	6,040
Tallow	2,700	.....
Vitamin concentrate	9,854	8,633
Total	46,146,728	57,288,939
Total production of colored oleomargarin	2,577,625	3,462,079
Total withdrawn tax-paid	2,243,282	2,573,255
Used in Colored Margarin		
Butter flavor	9	15
Color	1,905	34,206
Corn oil	956	6,216
Cottonseed flakes	1,950	.....
Cottonseed oil	681,509	1,109,507
Derivative of glycerin	4,078	2,969
Diacetyl	168	16
Estearin	97	225
Lecithin	1,419	3,393
Milk	441,946	559,965
Monostearin	885	6,541
Neutral lard	19,296	94,903
Oleo oil	44,524	87,003
Oleo stock	.....	23,650
Peanut oil	15,776	12,666
Salt	81,481	105,281
Soda, benzoate of	870	3,027
Soybean oil	1,297,985	1,453,344
Soyflakes	.....	3,570
Vitamin concentrate	276	426
Total	2,595,129	3,506,763

[1] Of the amount produced, 3,167 pounds were reworked.
[2] Of the amount produced, 36,902 pounds were reworked.

receipts. Trading continued light at ceilings. Production was sold up.

Fish Oils

Menhaden Oil—Inquiry for crude and refined oil continued keen. Sales of crude were reported at the ceiling, if and when made, during the Florida fishing season due to start sometime in May. Refined oil stocks were light and held for delivery on previous orders.

Baltimore, April 2.—This season's menhaden fishing is still a month or more off, and usually starts off the east and Gulf coasts of Florida and later will be extended to North Carolina. Inquiry was active for future delivery. Market was firm at the ceiling, 8.9c. per pound, bulk, f.o.b.

Sardine—Sardine purse seines and production facilities for oil and meal were not damaged by tidal waves during the past week, according to reliable reports from the Pacific coast.

Los Angeles, April 3.—Call for fish oil was active, but offerings were light. Prices were firm at ceilings.

Cake and Meal

Cottonseed Meal—Trading was limited and restricted to a barter basis. Demand was active.

Linseed Meal—Withdrawals in active request. Offerings scarce.

Minneapolis, April 3.—Demand for meal continued far in excess of available offerings. Crushers have nothing to offer for immediate and nearby shipments.

Minneapolis, April 3.—Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	6,840,000	3,840,000
Since Sept. 1	280,360,000	222,400,000

Waxes

Beeswax—Trading was fairly active during the week, and the market developed a steadier tone. African crude was firmer and South American crude was scarcer. Refined grades were steady.

Candelilla — Improved trading cleaned up supplies on the spot and offerings for March-April shipment and quotations were firmer. Crude was advanced to 74c. to 75c. per pound, and refined to 78c. to 80c. per pound, as to quantity for spot delivery.

Carnauba—An urgent demand again boosted values of all grades during the week, from 3c. to 5c. per pound for spot stocks. Supplies here were scanty. Offerings for prompt and forward shipment from Brazil were difficult to obtain. Interest in new crop has increased and sales of No. 3 North Country were noted at $1.35 per pound, f.o.b. Brazil for December-February shipment, with sellers asking at least $1.40 late in the week.

Ouricury—Inquiry continued keen and with supplies low, the market was advanced. Crude was quoted at $1.10 to $1.15 per pound, and refined ranged from $1.30 to $1.35 per pound, depending upon quantity.

National Oil Products To Expand Plant

National Oil Products Company, Harrison, N. J., plans a $150,000 expansion at its Flemington, N. J., plant to increase production of its line of shampoo, and to start manufacture of several new shampoo products.

Trade Briefs

Pittsburgh Plate Glass Company has named Walter K. Farst general manager of its Zanesville, Ohio, cement plant.

American Molasses Company, New York, has elected to its board Adolph A. Berle, jr., former assistant Secretary of State.

General Box Company, Chicago, has appointed George T. Walne manager of the central district sales territory. He has been with the company for nineteen years.

J. E. Niederhauser has been appointed manager of industrial relations for the Continental Can Company, New York, following the resignation of B. M. Brock.

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ESTABLISHED 1837
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This is not a crude petroleum-base derivative but is mined from the only producing mine in the world and is specially refined to produce maximum toughness, hardness, melting point, oil absorption and high gloss as opposed to the soft and greasy characteristic commonly associated with Ozokerite even of high melting point.

This range of qualities in Ozokerite Utahwax furnishes satisfactory simplified formulations without incorporating expensive waxes.

Melting points 172° — 183° — 190° F.
Penetration 1/2 to 1 1/2.

Formulations available for shoe polish and carbon papers. Technical information for other suitable uses on request.

Commercial quantities for prompt delivery available for the present ***in black only.***

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1 Devine No. 27 Double Door 17-Shelf Vacuum Dryer with Condenser and Vac. Pump
4 Copper and Alum. Vac. Pans
1 Pfaudler Glass-lined Jacketed Evaporating Pan, 60"x24", agitated
14 Heavy Duty Jacketed, Agitated 1000-gal. Kettles or Digesters or Cookers
9 Same as above but 100 gal., 34"x34"
5 Jacketed Autoclaves or Pressure Vessels, 4'x6'
3 Horizontal Retorts, each with 2 crates, 42"x102"
3 Ft. Wayne Sterilizers, 72-case capacity
1 Ball & Jewell No. 1 Rotary Cutter
4 Nash Glass-lined Pumps

Mills

3 Raymond IMP Mills No. 45, with accessories
7 Hardinge Conical Mills, from 36" dia. to 8'
1 Day 32"x32" 3-roll (all watercooled) Mill with motor

Filter Presses and Filters

5 Shriver Cast Iron Pl. & Fr. Filter Presses, 24", 30" and 36".
2 Sweetland Filters No. 7 (Bakelite-lined), No. 10 (lead-lined)
2 Louisville 36" Continuous Filters
4 Adams Water Filters, 1000 GPM, for large systems

Presses: Hydraulic and Others

1 Standard Automatic 50-ton Plastic Molding Press with accessories
1 Farquahr 100-ton Extrusion Press. 10"x38½", stroke 40"
1 Southwark 500-ton Curb Press, 40" bed, 18" ram
1 Bethlehem 2000-ton Hydraulic Press 8 heated plates, 5'6"x8'9"
1 Wood 7500-ton Hydraulic Press, 54" cylinder, 30" stroke, daylight 54"

Dryers

1 Black & Clawson Double Drum Dryer, 28"x60", with accessories
3 Double Drum Atmospheric Dryers, 27½"x63"
1 Devine Double Bronze Drum Dryer, 3'x9', with 25 H.P. Motor
1 Buffalo Double Drum Dryer, 32"x72"
1 Buffalo Single Drum chrome-plated Dryer, 5'x6', with auxiliaries
2 Buffalo Rotary Vacuum Dryers, 5'x20'
2 Vacuum Drum Dryers, 48"x40" (1 iron, other bronze, chromed)
1 Buffalo Vacuum Drum Dryer, 5'x20'
1 Rotary Vacuum Dryer, 3'x18', with auxiliaries
2 Galland & Henning Steam Tube Dryers, 6'x30'
1 Ruggles-Cole Rotary Dryer, 4'x20', with auxiliaries
1 Rogers Spray Dryer, 28' diameter chamber, complete
1 Proctor & Schwartz 3 Pass Apron Dryer, 41' long
1 Ross 4 Pass Continuous Conveyor Dryer, 60' long, with accessories
1 Proctor & Schwartz Tray (400) Dryer, 15' long (Louvre Type), accessories
1 Buflovak Jktd. & Agtd. 5' Pan Dryer
1 Bartlett & Snow Jktd. & Agtd. Pan Dryer 8' dia.

PROMPT SHIPMENTS OF NEW EQUIPMENT

- Stainless Kettles and Tanks
- Syphon and Vacuum Fillers
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8—Anderson No. 1 Expellers, M.D.
1—8" Mikro Pulverizer.
1—Simpson No. 1 Intensive Mixer, 4' dia. Pan.
1—Patterson 36" dia. Dry Pan, double muller.
4—18" & 22" Robinson & Bauer motor driven Attrition Mills.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.
4—OLIVER FILTERS, 8'x8', 8'x12'.
8—RUBBER LINED Rectangular Tanks: 7—500-gal.; 1—150 gal.

DRYERS

4—B. & C. 36" Dia. x 40" face Atmospheric DOUBLE DRUM DRYERS complete.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
1—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZER or VACUUM PAN DRYER.
9—Direct heat ROTARY DRYERS. 4'x30', 5'x30', 70"x30', 6'x60'.
2—ROTARY KILNS, 6'x60'.
10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.
1—36"x72" Atmos. DOUBLE DRUM DRYER, complete.

5—World or Ermold, Burt & Knapp Labelers.
7—Copper steam Jack. Kettles, up to 500 gal. cap.
7—Filter Presses up to 42"x42" Plate Frame & Recessed.
7—Copper & Alum. Vac. Pans, up to 500 gal. cap.

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1—30-ton capacity Browning, std. gauge, LOCOMOTIVE CRANE, 50' boom, double drums, each of equal lifting capacity, separate swinging engines; entire crane completely rebuilt.
1—20-ton capacity Link Belt, std. gauge, LOCOMOTIVE CRANE, double drums, 40' boom, completely rebuilt.

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4—100 gal. underdriven LEAD MIXERS, in battery with drive and motor.

SPECIAL PURCHASE

2—Buffalo 6' Vacuum & Atmospheric CRYSTALIZERS.
1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43.
1—Devine 5'x30' Rotary VACUUM DRYER.
2—Allberger 1200' Copper Tube CONDENSER.
1—Sperry 42x42 Recessed C.I. FILTER PRESS.

HIGH SPEED ROLLER MILLS

1—Kent 16x40, 3-roll, motor driven.
1—Lehman 13 x 32, 4-roll, motor driven.

4—28"x48" Sifters, 8, 4, 3 and 2 decks.
1—4'x20' brick-lined Rotary Kiln with complete equipment.
1—12"x15' long Rotary Kiln, complete.
1—12"x18" Dings Magnetic Separator.
1—3'x8' iron-lined Rod Mill.
1—No. 0 Raymond Pulverizer with air classifier, collectors, exhauster, motors, etc.
1—6 cyl. Kritzer Lime Hydrator.
4—3'x6' double-deck Sturtevant Moto-Vibro Screens, all steel encased.
2—Hardinge silex-lined Pebble Mills, 6'x36 & 8'x30".
2—6'x28' Rotary Steam Tube Dryers.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.

10—Morgan & Daig NAILING MACHINES, all sizes.

2—60 gal. Alum. S. J. KETTLES.
1—80 gal. Alum. S. J. KETTLE.
5—Stokes "R" Single Punch TABLET MACHINES, makes 2½" dia. tablet.
4—Colton No. 5½ Single Punch TABLET MACHINE.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

WANTED— YOUR IDLE MACHINES
Help create those jobs. Send your list NOW to "CONSOLIDATED"

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

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Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N. Y.

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Stainless Steel Tanks—new—100 and 200 gal. dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity.
Steam Jacketed Kettle, 9' dia. x 5' deep, with agitator (new).
Copper tank with agitator and coil, 60" dia. x 7' high.
2—International Centrifuges, size 3, Type F.S,. Stainless Steel with Motors.
Shriver Filter, 24" open del., all iron.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430, Chrome.
Colton Capsule Machine with Dies.
Electric Immersion Heaters, Stainless Steel, 115 V., 550 Watt (new), $15.00 each.
6—De Laval Imo Pumps, 2" suc., 2" disch. (new).
Stainless Steel Pumps (new) with G.E. Explosion-proof Motors.
2—LeCourtney Pumps, 2250 GPM, with 50 H.P. Motors & Starters, like new.
1—American Marsh 75 GPM at 489' head, with 20 H.P. Motor.

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TO SELL YOUR BUSINESS FOR CASH MAY BE A WISE MOVE NOW

YOU may be relieved of much worry and unnecessary expense.
YOUR company (its personnel intact, as a rule) will gain the benefits of added capital, plus the expert management of an experienced, reputable operating organization.
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FOR THE CHEMICAL AND ALLIED INDUSTRIES

3—FARREL 2-Roll Rubber Mills, 18"x48".

3—Thropp 2-Roll Rubber Mills, 18"x30".
3—Ross, Black & Clawson, 3-Roll Mills, 16"x30", 16"x30", 16"x40", 9"x32".
1—Hardinge Conical Ball Mill, 8' dia., 30" cyl.
1—Buffalo Vacuum Shelf Dryer, 15 Shelves, Condenser, Vacuum Pump & Motor.
1—Devine Vacuum Shelf Dryer, 5 Shelves.
2—Vallez No. 4 Rotary Filter Presses.
5—Sweetland Filter Presses, No. 5, No. 7, No. 10, No. 12.
2—Kelly Filter Presses, No. 250, No. 450.
1—High Chrome Iron Tank, 6'x30', ¼".
13—Sharples Pressurite Centrifuges, 3 HP Motors.

R. GELB & SONS, INC.
Est. 1886 UNionville 2-4900
UNION, N. J.

SPECIALS!

3—Colton Class 9-18, 20 Punch Rotary Preforming Presses, 2" die.

5—Stokes "R" Single Punch Preforming Presses, 2½" die.

10—Colton and Stokes Single Punch Preforming Presses, up to ¾".

3—Readco 100-gal. Jacketed. Heavy Duty, Double Arm Mixers.

2—Fitzpatrick Model "D" Comminuting Machines.

1—A. T. & M. 48" Centrifugal, suspended type, bottom discharge, motor driven.

1—Colton No. 2 Rotary Tablet Machine.

1—Schutz O'Neill 16" Ball Bearing, Style D Limited Mill.

1—Colton No. 2 Combination Tube Filler and Closer.

1—Abbe No. 1 Blutergess Sifter.

1—New Era 100 gal. Double Arm Jacketed Mixer, motor driven.

1—Filler Machine Co. 4 spout Filler.

2—Fitzpatrick Style "D" Comminuting Machines.

1—5' dia. Copper Jacketed Pan, agitated.

1—Lab. Vallez Filter.

2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.

1—No. 2 Sweetland Filter.

1—Sperry 24" x 24" Filter Press, closed delivery, 15 Rubber-Covered Plates and Frames.

1—American 6' 2 Disc Rotary Continuous Filter.

6—Oliver 8' x 6' Rotary Hopper Dewaters. NEW.

1—Oliver Robison 6' x 4' Top Feed Ni-Resist Filter.

1—Oliver Filter, 5' x 8'.

3—Rotary Vacuum Dryers, 4' x 10', 4' x 15', 5' x 33'.

1—Stokes 48" x 72" Atmos. Double Drum Dryer.

2—6' x 27'6" Rotary Steam Tube Dryers.

2—American 16" x 40" 3 Roller Mills, water cooled, motor driven.

4—Stokes Rotary B and BB Tablet Machines.

7—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "T" and "B".

3—Tyler Hummer Screens, 3' x 5', 4' x 5'.

1—Hardinge Ball Mill, 2' x 8".

7—Pebble Mills, 50, 100, 280 gal.

1—Hurrell Colloid Mill, motor driven, 20 h.p. motor.

5—Copper Vacuum Pans, 30", 42", 48", 5' and 6' dia.

5—1,200-lb. Brand New Powder Mixers.

2—3,000-lb. Powder Mixers.

1—Copper Revolving Pan, 36" dia.

1—Stokes Gas Fired Hot Air Dryer, 16 shelves.

6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200.

2—60 and 125 gal. Alum. Jktd. Kettles.

10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.

8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.

1—Copper Varnish Kettle, 175 gal.

2—1,750 gal. Lead Lined Closed Tanks.

1—Lancaster 30" Batch Mixer.

3—Powder Mixers, 100 to 1,000 lb.

4—W. & P. Mixers, 9, 20, 100 gal.

1—Howes 24" x 12' Powder Mixer.

1—Williams No. 1 Hammer Mill.

2—National Dry Powder Fillers.

1—Stokes & Smith G-3 Powder Filler.

5—World, Ermold, National Labelers.

1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.

6—Shriver, Sperry Filter Presses, 56", 32", 30", 24", 18", 12".

5—Shriver Wood Filter Press Skeletons, 24" to 42".

4—Sharples No. 6 Centrifuges, open and Presurlite.

3—De Laval No. 300, 600, 700 Clarifiers.

1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.

1—American Tool 48" Centrifugal, suspended type, bottom discharge, motor driven.

5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

3—Buflovak Vacuum Drum Dryers, 24" x 20', 48" x 40", 5' x 6'.

4—Atmos. Drum Dryers, 4' x 9', 5' x 7', 5' x 6', 28" x 60".

6—Copper and Steel Vacuum Pans, 50 to 750 gal.

2—Swenson Continuous Crystallizers, 24" x 30'.

3—Day 18" Pressure type ointment mills.

800 ft. of Lamson Heavy Duty Roller Conveyor.

10—12" Belt Conveyors, 20 to 30' centers, built to specifications.

5—Rotary Dryers, 4' x 20' to 6' x 60'.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

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Equipment Co.

225 WEST 34th STREET
NEW YORK 1, N.Y.
BRyant 9-2040
Warehouse—2401 3rd Ave., Bronx, N.Y.

SPOTLIGHT ITEMS *YOURS* NOW!

1—STOKES No. 90 Automatic Tube Filler, Closer and Crimper.

1—PFAUDLER 500 Gal. Glass Lined Pressure Tank.

2—PFAUDLER 500 Gal. Jacketed Reactors.

2—SHARPLES "Presurlite" Super Centrifuges, M.D.

1—BUFFALO FDRY. Crystallizer-agitated 50 gal.

3—STOKES "B1" Rotary Tablet Machines.

1—COLTON No. 3 Rotary Tablet Machine.

3—STOKES "E" & "F" Single Punch Tablet Machines.

1—KUX LOHNER Rotary Tablet Machine up to 1".

1—DEVINE Vacuum Shelf Dryer—3 Shelves, 17" x 34".

3—New S. S. Jacketed Kettles, 75 & 100 gal.

1—Stainless Steel Vacuum Kettle, 90 gal.

Write for Bulletin A-5

WHAT HAVE YOU FOR SALE?

MACHINERY & EQUIPMENT CORPORATION of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6680

REMOVAL SALE

Large stock Brooklyn warehouse. All equipment priced low to save moving expense.

PHONE—WIRE—WRITE

1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 36" Rock Emery Mill.
2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
1—Steel Ball Mill, 35 gals.
2—Adamson 6" Extruders.
25—New stainless Steel Tanks, 100 to 1,000 gals.
New Water Stills, Gas and Electric.
500-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle. Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horiontzal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
1—Jeffrey Type 2A Electric Vibrator Feeder with Variac Rheostat.
2—4,000 gal. Acid Proof Tanks.
2—Devine Horiz. Vac. Pumps. 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine Vert. Condenser.
1—Penn. Vac. Pump, 14"x5".
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neil 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

Write for Complete Bulletins

We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY

Department E
426 BROOME ST., NEW YORK 13, N.Y.
CANAL 6-8147

FOR SALE

1—Raymond 5-Roll high side Pulverizer.
1—4 x 6' Atmospheric Drum Dryer.
1—Raymond 0000 Imp Mill.
3—Copper basket Centrifugals: 26, 28, 40".
1—3 x 15' direct heat Rotary Dryer.
1—24" Mikro Pulverizer belt drive.
3—Lead Lined Tanks, 400-1,000 gallons.
1—Buflovac 10 gal. Jack. Autoclave.
2—24 x 48" Vibrating Screens (New).
4—Portable Elevators—500 and 1,000 lb.
1—10 x 20 x 12" Union Dry Vacuum Pump.
2—No. 630 De Laval Clarifiers.
1—No. 5 Sweetland Filter.
4—Water Stills: 10 and 25 G.P.H.
1—Link Belt Rote-Louvre Dryer, 6½ x 20'.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

DE LAVAL
Industrial Centrifugal
Model A-00
10 h.p. Explosion Proof Motor
220 volt—3 phase—60 cycle
Automatic Controls

STOKES
Stainless Steel Vacuum Still
Jacketed
50 Gallon Capacity

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

IMMEDIATE DELIVERY

1—150 gal. stainless steel vacuum still, complete.

5—Shriver, Sperry filter presses, 12" to 40", open and closed deliveries.

3—Stokes models F, T & B Tablet presses.

1—World Straightaway front and back labeler.

1—Mikro No. 2 pulverizer, 7½ h.p.

1—Day 80 gallon Brighton mixer.

2—New Abbe Lenart stainless steel mixers, 3 h.p., explosion-proof motor.

2—Colton No. 2 and No. 4 tube and jar fillers.

3—Colton granulators.

5—Rotex sifters, 20x28 to 20x96 —3 to 5 separations.

2—Pebble mills, 3'9"x4' and 3'6"x4'.

1—F. J. Stokes rotary vacuum dryer.

1—Day Jumbo jacketed mixer, 170 gallons.

1—3500 copper vacuum still (print available).

1—New Sparkler filter, 14-8.

2—Knapp compression belts, 6' and 11'.

10—Powder mixers, 50 to 1000 lbs., 4 brand new.

3—Union special bag stitchers.

MISCELLANEOUS

Pumps, hammermills, skate and roller conveyors, portable agitators.

WE WILL BUY YOUR SURPLUS EQUIPMENT—WHAT HAVE YOU FOR SALE?

Chemical & Process Machinery Corp.
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Tel. WOrth 4-8130

Classified Advertisements will be omitted until further notice.

FOR SALE

3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill
2—Practically new 750 gallon Porcelain lined Pebble Mills
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

WE BUY SURPLUS CHEMICALS

20 Years of Service to
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CHEMICALS
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UNION Rebuilt Machinery Established 1910

Special Offerings for Immediate Delivery!

W. & P., Day Cincinnatus and Imperial Type Mixers; Hottman Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.

Elgin 24 spout Rotary Vacuum Filling Machine.

Gayco 8 ft. Air Separator.

Schutz O'Neill, Jay Bee, Williams, Gruendler, etc., Pulverizers.

J. H. Day and Kent, Three Roll, 18" x 30", 10" x 40" Mills, motor driven with motor.

Mullers or Chasers 2 ft. to 6 ft. sizes.

Ermold and World Semi-Automatic Labeling Machines.

U. S. Bottlers C-10 and A-6 Acme Fillers.

Copper Steam Jacketed Kettles with and without Agitators.

Read, and Century Vertical Mixers, M.D.

Johnson and Oliver Sweetland Filter Presses.

Copper Stills and Vacuum Pans.

Huhn Rotary Continuous Dryers.

Schutz O'Neill Rotex, and Allis-Chalmers Lowhead Sifters.

Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your Item with Your Inquiry.)

ALL OFFERINGS SUBJECT TO PRIOR SALE. WRITE OR WIRE COLLECT FOR DETAILS AND PRICES. SEND FOR LATEST CIRCULAR!

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POWDERED GRADES — Standardized by milling under strict laboratory control

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T & B STANDARDIZED GUMS are your best protection against production difficulties.

THURSTON & BRAIDICH
286 Spring Street New York 13, N.Y.

Botanical Drugs

—Continued from page 58

An arrival of 1,126 bags from Copenhagen was noted.

Celery — Spot quotations declined further to 22c. to 22½c. per pound.

Dill—An arrival of 829 bags from Bombay was reported.

Flea—From Arsen, Algiers, came 50 bags of this item.

Mustard—Montana brown advanced to 11½c. to 12c. per pound and oriental grade from that point went up to 11¾c. to 12¼c.

Poppy—An arrival of 426 bags of white seed from India was noted. Spot Dutch seed was lowered to 38½c. to 39c. per pound.

Spices

Allspice—Offerings of Mexican seed for shipment were advanced to 18c. to 18½c. per pound.

Cassia—China buds in future position were down to 44c. to 45c. per pound. Selected rolls, shaded to 45c. to 46c.

Ginger—African root was advanced to 15c. to 15½c. per pound. Still not offered London from the source. Cochin root advanced to 15c. to 15½c. per pound for bleached, and 13½c. to 14c. for unbleached.

Pepper — One potential buyer of black pepper handed an identical order to four brokers last week. No! there were not four carlot orders. The brokers will split the "take"—if someone actually parts with some pepper.

Pimento—Values continued to advance. Sales went through at 24½c. to 25c. per pound last week.

Markets at Other Centers

Los Angeles, April 3.—Business in botanical drugs and spices now is practically at a standstill. Most crops are sold until the end of the year. Prices are:—

Marjoram, French type—35c. per pound in dried form.

Sage, Dalmatian type—40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was named at 65c. per pound. Leucophylla was quoted at 32c. per pound.

Savory, French type—75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme, French type—90c. per pound in dried and clean form.

Crystalline Sodium Penicillin Produced Commercially

The commercial production of sodium penicillin in crystalline form has been announced by the Commercial Solvents Corporation, New York. This crystalline product is one of high potency and is heat stable. This stability eliminates the necessity for refrigeration of the drug, formerly a serious shipping and storage problem. It will be available in single vials of 100,000, 200,000 or 500,000 units each. Within a few weeks the company's penicillin plant at Terre Haute, Ind., will be making the new form exclusively.

Bristol-Myers of Canada Elects Brown to Board

G. Walter Brown, vice-president in charge of distribution for the Bristol-Myers Company of Canada, pharmaceutical manufacturer, Montreal, has been elected to the board of directors of the company.

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Arlinco Research Laboratory, Inc.
333 West 52nd St., New York 19, N. Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Johan Bjorksten, Ph.D.,
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Don Company
6253 Hollywood Blvd., Los Angeles 28, Calif.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N. J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 So. 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee 4, Wis.

W. S. Purdy Company, Inc.
128 Water St., New York 5, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Herbert Waterman
2100 Roselin Pl., Los Angeles 26, Calif.

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md.

J. D. Penick Joins Kidder Co. as Partner

J. Dabney Penick, son of S. B. Penick, founder of S. B. Penick & Co., New York, has become a partner in A. M. Kidder & Co., investment house, New York. He was recently released from the army as a major.

Locust Bean Gum
Carob Flour

SPOT DELIVERY

MAX KETTNER COMPANY
521 FIFTH AVE. NEW YORK 17, N. Y.
Phone: MURRAY HILL 2-6428

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S. N. De, M. Sc. (Botany) Ltd.
POST BOX 7851, CALCUTTA

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We are also prepared to make necessary installations for either term or volume business.

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42-64 FAIRMOUNT AVENUE, JERSEY CITY 4, N. J.
New York Telephone: REctor 2-0167 Jersey City Telephone: BErgen 4-5039

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Corporation Earnings

American Cyanamid Company

	1945	1944
Net income, year, Dec. 31	$6,213,054	$6,660,144
Per share	2.02	2.20

Chesebrough Mfg. Co. Cons.

	1945	1944
Net income, year, Dec. 31	$1,008,633	$885,725
Per share	8.40	7.38

Kimberly-Clark Corporation

	1945	1944
Net income, year, Dec. 31	$2,446,599	$2,422,327
Per share	3.31	3.09

Plough, Inc.

	1945	1944
Net income, year, Dec. 31	$469,503	$443,211
Per share	1.57	1.48

Mining Corp. of Canada, Ltd.

	1945	1944
Net income, year, Dec. 31	$97,372	$112,884
Per share	.05	.06

Koppers Co., Inc.

	1945	1944
Net income, year, Dec. 31	$3,200,306	.....
Per share	2.72	.....

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